UK DECLARATION OF PERFORMANCE

DoP80
fire protection sleeve

GEBERIT

1. Unique identification code of the product-type:

Product(s): Geberit fire protection sleeve RS90 Plus EN
Article number(s): 348.300.00.1, 348.301.00.1, 348.302.00.1, 348.303.00.1, 348.304.00.1, 348.305.00.1, 348.306.00.1

2. Application purpose(s):

"Geberit Fire protection sleeve RS90 Plus EN" is intended to be used as a pipe penetration seal to temporarily or permanently reinstate the fire resistance performance of flexible wall constructions, rigid wall constructions, shaft walls and rigid floor constructions where they have been provided with apertures which are penetrated by various plastic pipes.

3. Manufacturer:

Geberit International AG
Schachenstrasse 77
CH-8645 Jona
Switzerland
+41 55 221 63 00
product.compliance@geberit.com
www.geberit.com/declarations

4. System(s) for evaluating and checking constancy of performance:

System 1

5. UK Technical Assessment:

European Assessment Document:	The UK Technical Assessment is issued on the basis of EAD 350454-00-1104 "Fire stopping and fire sealing products - Penetration seals"
UK Technical Assessment:	UKTA 0843-UKTA-24/0001 dated 26.06.2025
Technical Assessment Body:	UL International (UK) Ltd, Kingsland Business Park, Unit 1-3 Horizon, Wade Rd, Basingstoke RG24 8AH, United Kingdom
Approved body:	No. 0843, UL International (UK) Ltd, Kingsland Business Park, Unit 1-3 Horizon, Wade Rd, Basingstoke RG24 8AH, United Kingdom represented by UL GmbH Zweigniederlassung Deutschland, Admiral-Rosendahl-Straße 9, 63263 Neu-Isenburg, Germany

6. Declared performance:

Essential characteristics		Performance	Technical specification
	Reaction to fire	Class E / A1	EN 13501-1:2018
	Resistance to fire	See the Technical Assessment Annexes: D-1 to D-36 and F-1 to F-45 as well as 3.1.2	EN 13501-2:2016
	Air permeabiliity	NPD*	EAD 350454-00-1104
	Water permeability	NPD*	
	Content, emission and/or release of hazardous substances	NPD*	
	Mechanical resistance and stability	NPD*	
	Resistance to impact/movement	NPD*	
	Adhesion	NPD*	
	Durability	Pass; see Annex 3.3.4	
	Airborne sound insulation	NPD*	
	Thermal properties	NPD*	
	Water vapour permeability	NPD*	

* If no performance has been determined for an essential characteristic, this is indicated with “NPD”.

UK DECLARATION OF PERFORMANCE

DoP80
fire protection sleeve

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 (as it applies for the Great Britain market from 11pm UK-time on 31 December 2020), under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Signiert von:
1321B215CEBD4A7...
Markus Gantenbein
Head Standardisation, Approvals, Regulatory Affairs

Signed by:
F17B80C563764BB...
Jörg Schneider
Head of Product Compliance

Jona, 16.12.2025

UL INTERNATIONAL (UK) LTD
Kingsland Business Park,
Unit 1-3 Horizon,
Wade Rd,
Basingstoke RG24 8AH,
United Kingdom

appointed according to Article 29 of Construction Products Regulation 2011 as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020

UK Technical Assessment

0843-UKTA-24/0001 of 26/06/2025

Technical Assessment Body Issuing the UKTA:	UL International (UK) Ltd
Trade name of the construction product	Rohrschott90 Plus EN
Product family to which the construction product belongs	Fire Stopping and Fire Sealing Products – Penetration Seals
Manufacturer	Geberit International AG Schachenstrasse 77 8645 Jona Switzerland
Manufacturing plant(s)	E/007, E/008
This UK Technical Assessment contains	140 pages including 6 Annexes which form an integral part of this assessment.
This UK Technical Assessment* is issued, on the basis of	EAD 350454-00-1104, September 2017

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*** in accordance with Construction Products Regulation 2011 as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020**

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I. SPECIFIC PARTS OF THE UK TECHNICAL ASSESSMENT

1 Technical description of the product

1) "Rohrschott90 Plus EN" is a pipe collar to be used as pipe penetration seal in combination with gap fillers and insulations (additional components).

2)

Pipe collar	Characteristics
Rohrschott90 Plus EN	Pipe collar according to Annex B of the UKTA with stainless sheet steel housing (thickness of steel sheet 0,5 mm, alloy 1.4510 according to EN 10088-2) and an inlay made of intumescent material

3)

Additional components	Characteristics
Gap filler	Non-combustible material with classification A1 or A2-s1,d0 according to EN 13501-1 which is dimensionally stable as e.g. mortar, cement or gypsum joint filler or "CP611A" from manufacturer "Hilti AG" (only to be used for shaft walls)
Polyethylene sound insulation (tube)	Closed cell, flexible polyethylene foam insulation according to EN 14313 in form of tubes, faced with an outside PE foil, with a nominal thickness of 4 mm, a nominal density of 54 kg/m^3 and classification E according to EN 13501-1 (e.g. "Geberit Dämmschlauch" resp. "Geberit insulation hose" from manufacturer "Geberit International AG", or "Tubolit AR Fonoblok" from manufacturer "Armacell GmbH")
Polyethylene sound insulation (tape)	Closed cell, flexible polyethylene foam insulation according to EN 14313 in form of tapes, faced with an outside PE foil, with a self-adhesive device, with a nominal thickness of 3 mm, a nominal density of 54 kg/m^3 and classification E according to EN 13501-1 (e.g. "Geberit Dämmbandage" resp. "Geberit sound insulation tape" from manufacturer "Geberit International AG")
Sound insulation mat	Open cell polyurethane foam insulation in form of mats, faced with an outside heavy foil made of EPDM (ethylene propylene diene monomer) with a mineral filler and a flame retardant, with a nominal thickness of 17 mm, a nominal density of 30 kg/m³ (foam), a nominal density of 2033 kg/m³ (foil) and classification E according to EN 13501-1 ("Geberit Schalldämmmatte Isol Flex" resp. "Geberit sound insulation mat Isol Flex" from manufacturer "Geberit International AG")
AF/Armaflex	Closed cell, flexible elastomeric foam (FEF) insulation in form of (slotted) tubes with classification B_L-s3,d0 – including "Armaflex 520" – according to EN 13501-1 from manufacturer "Armacell GmbH" (for details about thickness see Annex A-8 of the UKTA)
AF/Armaflex Band selbstklebend (AF/Armaflex self-adhesive tape)	Closed cell, flexible elastomeric foam (FEF) insulation in form of tapes with a self-adhesive device with classification B-s3,d0 according to EN 13501-1 from manufacturer "Armacell GmbH"

Additional components	Characteristics
Armaflex 520	Polychloroprene-based adhesive, free from aromatic compounds (special adhesive for processing of all flexible Armaflex insulating material – except "HT/Armaflex") from manufacturer "Armacell GmbH"

2 Specification of the intended uses of the product in accordance with the applicable UK Assessment Document (Pre-Exit European Assessment Document): EAD 350454-00-1104: 2017

2.1 Intended use

"Rohrschott90 Plus EN" is intended to be used as a pipe penetration seal to temporarily or permanently reinstate the fire resistance performance of flexible wall constructions, rigid wall constructions, shaft walls and rigid floor constructions where they have been provided with apertures which are penetrated by various plastic pipes.

The specific elements of construction that the system "Rohrschott90 Plus EN" may be used is as follows:

Separating element	Construction
Flexible walls	> Steel studs or timber studs lined on both faces with minimum 2 layer of boards (minimum thickness 12,5 mm) with classification A2-s1,d0 or A1 according to EN 13501-1 > For timber stud walls there shall be a minimum distance of 100 mm of the penetration seal to any timber stud. The cavity between the penetration seal and the timber stud has to be closed with minimum 100 mm of insulation with classification A1 or A2 according to EN 13501-1 > Minimum thickness 100 mm > Classification according to EN 13501-2: ≥ EI 90 > This European Technical Assessment does not cover sandwich panel constructions and flexible walls were the lining does not cover studs on both sides. Penetrations in such constructions shall be tested on a case by case basis
Rigid walls	> Aerated concrete, concrete, masonry > Minimum thickness 100 mm > The rigid wall shall be classified in accordance with EN 13501-2 for the required fire resistance period
Shaft walls	> Steel studs according to EN 14195 lined on one face > Thickness (number of layers x thickness of board) and type of board: 3 x 15 mm, gypsum plasterboards type DF acc. to EN 520 with minimum reaction to fire class A2-s1,d0 according to EN 13501-1 > Between the profiles stone wool according to EN 13162 (reaction to fire class A1 according to EN 13501-1) with a density of 40 kg/m³ and a melting point > 1000 °C according to DIN 4102-17 and a thickness of 40 mm has to be installed > Nominal width of profiles: 50 mm (e.g. CW 50) > Maximum distance between steel studs: 625 mm > The mechanical resistance and stability has to be given for the required fire resistance period > Classification according to EN 13501-2: ≥ EI 90

Separating element	Construction
Rigid floors[1]	> Aerated concrete, concrete > Minimum density 550 kg/m³ > Minimum thickness 150 mm > The rigid floor shall be classified in accordance with EN 13501-2 for the required fire resistance period
	> Reinforced concrete > Minimum compressive strength 57 N/mm² > Minimum thickness 100 mm > The rigid floor shall be classified in accordance with EN 13501-2 for the required fire resistance period

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

The system Rohrschott90 Plus EN may be used to provide a penetration seal with specific combustible pipes as follows:

Penetrating element	Construction characteristics for installation of the penetrating element in flexible walls and rigid walls
Plastic pipes	> "Geberit PE" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex D-1 to D-7 of the UKTA > "Geberit Silent-PP" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex D-8 to D-17 of the UKTA > "Geberit Silent-db20" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex D-19 to D-25 of the UKTA > "Geberit Silent-Pro" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex D-26 to D-36 of the UKTA

Penetrating element	Construction characteristics for installation of the penetrating element in shaft walls
Plastic pipes	> "Geberit Silent-PP" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex D-18 of the UKTA

[1] This European Technical Assessment refers to rigid floors with a minimum thickness of 150 mm, if not stated otherwise (see Annex E-14, E-20 and Annex F-24, F-40 to F-43 of the UKTA).

Penetrating element	Construction characteristics for installation of the penetrating element in rigid floors
Plastic pipes	> "Geberit PE" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex F-1 to F-6 and Annex F-40 of the UKTA > "Geberit Silent-PP" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex F-7 to F-16 and Annex F-41 of the UKTA > "Geberit Silent-db20" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex F-17 to F-25 and Annex F-42 of the UKTA > "Geberit Silent-Pro" pipes from manufacturer "Geberit International AG" with diameters and wall thicknesses as defined in Annex F-26 to F-39 and Annex F-43 of the UKTA
Shower floor drain, cross floor	> "Geberit Duschrinne CleanLine" with "Geberit Rohbauset für Duschrinnen der Reihe CleanLine, stockwerksdurchdringende Installation" resp "Geberit shower channel CleanLine" with "Geberit installation set for shower channels of the CleanLine series, cross-floor installation" (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) from manufacturer "Geberit International AG" with a diameter and a wall thickness as defined in Annex F-44 of the UKTA
	> "Geberit Duschbodenablauf stockwerksdurchdringend" resp. "Geberit shower floor drain, cross floor" (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) from manufacturer "Geberit International AG" a with diameter and a wall thickness as defined in Annex F-44 of the UKTA
	> "Geberit Duschfläche Setaplano" resp. "Geberit shower surface Setaplano" (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) from manufacturer "Geberit International AG" with a diameter and a wall thickness as defined in Annex F-45 of the UKTA

2.2 Use condition

"Rohrschott90 Plus EN" is intended for use at temperatures below 0 °C and with exposure to UV, but with no exposure to rain, and can therefore – according to EAD 350454-00-1104 clause 2.2.9.3.1 – be categorized as Type Y_1. Since the requirements for Type Y_1 are met, also the requirements for Type Y_2, Z_1 and Z_2 are fulfilled.

Although a penetration seal is intended for indoor applications only, the construction process may result in it being subjected to more exposed conditions for a period before the building envelope is closed. For this case provisions shall be made to protect temporarily exposed penetration seals according to the UKTA-holder's installation instructions.

2.3 Working life

The provisions made in this UK Technical Assessment are based on an assumed working life of "Rohrschott90 Plus EN" of 10 years, provided the conditions laid down in the technical literature of the manufacturer relating to packaging, transport, storage, installation, use and repair are met.

The indications given on the intended working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, but are to be regarded only as a means for selecting the appropriate product in relation to the expected economically reasonable working life of the works.

2.4 General assumptions

2.4.1 It is assumed that:

i. damages to the penetration seal are repaired accordingly,
ii. the installation of the penetration seal does not affect the stability of the adjacent building element – even in case of fire,
iii. the lintel or floor above the penetration seal is designed structurally and in terms of fire protection such that no additional mechanical load (other than its own weight) is imposed on the penetration seal,
iv. the thermal movement in the pipe work will be accommodated in such way that it does not impose a load on the penetration seal,
v. the installations are fixed to the adjacent building element in accordance with the relevant regulations in such a way that, in case of fire, no additional mechanical load is imposed to the penetration seal,
vi. the support of the installations is maintained for the required period of fire resistance and
vii. pneumatic dispatch systems, compressed air systems, etc. are switched off by additional means in case of fire.

2.4.2 This UK Technical Assessment does not address any risks associated with the emission of dangerous liquids or gases caused by failure of the pipe(s) in case of fire nor does it prove the prevention of the transmission of fire through heat transfer via the medium in the pipes.

2.4.3 This UK Technical Assessment does not verify the prevention of destruction of adjacent building elements with fire separating function or of the pipes themselves due to distortion forces caused by extreme temperatures. These risks shall be accounted for by taking appropriate measures when designing or installing the pipe work.

The mounting or hanging of the pipes or the layout of the pipe work shall be implemented in such a way that the pipes and the fire resistant building elements shall remain functional within a period of time which corresponds to the fire resistance period required.

2.4.4 The risk of downward spread of fire caused by burning material which drips through a pipe to floors below, is not considered in this UK Technical Assessment (see EN 1366-3:2009, clause 1).

2.4.5 The durability assessment does not take account of the possible effect on the penetration seal of substances permeating through the pipe walls.

2.4.6 The assessment does not cover the avoidance of destruction of the penetration seal or of the adjacent building element(s) by forces caused by temperature changes in case of fire. This shall be considered when designing the piping system.

3 Performance of the product and references to the methods used for its assessment

Product-type: Pipe Collar		Intended use: Penetration Seal
Basic requirement for construction work	Basic Requirement	Basic requirement for construction work
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	Class E (Steel shell = A1)
EN 13501-2	Resistance to fire	See Annexes
BWR 3 Hygiene, health and environment		
EN 1026:2000	Air permeability	No performance determined
EAD 350454-00-1104, Annex C	Water permeability	No performance determined
Declaration of manufacturer	Content, emission and/or release of dangerous substances	Manufacturer declaration
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003 ISO 11600	Adhesion	No performance determined
EN 10088 & EOTA TR 024	Durability	Y_1
BWR 5 Protection against noise		
EN 10140/ EN ISO 717-1	Airborne sound insulation	No performance determined
BWR 6 Energy economy and heat retention		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN 12086	Water vapour permeability	No performance determined

4 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

According to the Statutory Instrument 2019 No. 465 – made 5th March 2019 and cited as the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and coming into force on exit day and Statutory Instrument 2020 No. 1359 – made 26th November 2020 and cited as the Construction Products (Amendment etc.) (EU Exit) Regulations 2020 and coming into force immediately before the 2019 Regulations come into force, on the procedure for attesting the conformity of construction products as regards fire stopping, fire sealing and fire protective products, published as 'Pre-Exit' European Assessment Documents, (see https://www.gov.uk/guidance/pre-exit-european-assessment-documents-construction-products), the system of assessment and verification of constancy of performance (see Annex V to Construction Products Regulation 2011 as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020) given in the following table(s) apply.

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire stopping and Fire Sealing Products	For fire compartmentation and/or fire protection or fire performance	Any	1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Tasks of the manufacturer:

Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall ensure that the product is in conformity with this UK Technical Assessment.

The factory production control shall be in accordance with the Control Plans of 20/09/2021 relating to the UK Technical Assessment 0843-UKTA-24/00001 issued on xx/04/2025 which is part of the technical documentation of this UK Technical Assessment. The "Control Plan" is laid down in the context of the factory production control system operated by the manufacturer and deposited at UL International (UK) Ltd.

The results of factory production control shall be recorded and evaluated in accordance with the provisions of the Control Plans.

Other tasks of the manufacturer

Additional information

The manufacturer shall provide a technical data sheet and an installation instruction with the following minimum information:

(a) Technical data sheet:

- Field of application:
- Building elements for which the penetration seal is suitable, type and properties of the building elements like minimum thickness, density, and - in case of lightweight constructions – the construction requirements.
- Limits in size, minimum thickness etc. of the penetration seal
- Construction of the penetration seal including the necessary components and additional products (e.g. backfilling material) with clear indication whether they are generic or specific.
- Services which the penetration seal is suitable, type and properties of the services like material, diameter, thickness etc. in case of pipes including insulation materials; necessary/allowed supports/fixings (e.g. pipe trays)

(b) Installation instruction:

- Steps to be followed
- Procedure in case of retrofitting
- Stipulations on maintenance, repair and replacement

6 Issued on:

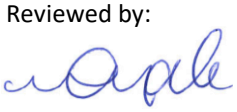
26th June 2025

Report by:



C. Johnson
Senior Staff Engineer
Built Environment

Reviewed by:



D. Yates
Staff Engineer
Built Environment

For and on behalf of UL International (UK) Ltd.

ANNEX A – Details For Installation

1 General

> "Rohrschott90 Plus EN" can be used on plastic pipes and shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) according to clause 2.1 of the UKTA in walls (vertical separating element) and floors (horizontal separating element) according to clause 2.1 of the UKTA.

> Each plastic pipe (and shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1)) which is to be sealed off has to be equipped separately with "Rohrschott90 Plus EN". For details see Annex C-1 to C-13 and Annex E-1 to E-19 of the UKTA.

1.1 Pipe end configuration

> For plastic pipes and shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) classified with pipe end configuration U/U the pipe end configuration can be U/U, C/U, U/C, C/C.

1.2 Orientation of the penetrating elements

> Plastic pipes in flexible walls, rigid walls and rigid floors can be installed perpendicular to the surface of the separating element or in all angles between 90° and 45°. For details see Annex D-1 to D-3, D-6 to D-10, D-13 to D-17, D-19 to D-21, D-24 to D-28, D-31 to D-36 and F-1 to F-3, F-6 to F-9, F-11 to F-19, F-25 to F-28, F-33 to F-39 of the UKTA.

> Plastic pipes with Sound insulation mat according to clause 1 of the UKTA or "AF/Armaflex" in flexible walls, rigid walls and rigid floors, shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) in rigid floors and "Geberit Silent-db20" pipes with a diameter of 110 mm in concrete floors (rigid floors; see Annex E-14 and Annex F-24 of the UKTA) with pipe collars fixed to the integrated fastenings of "Geberit Schalungsschoner mit integrierter Befestigung" (Geberit formwork guard with integrated fastening) have to be installed perpendicular to the surface of the separating element. For details see Annex D-4, D-5, D-11, D-12, D-22, D-23, D-29, D-30 and F-4, F-5, F-10, F-20 to F-24 , F-29 to F-32, F-40 to F-45 of the UKTA.

> Plastic pipes in shaft walls have to be installed perpendicular to the surface of the shaft wall. For details see Annex D-18 of the UKTA.

Rohrschott90 Plus EN **- Details for installation -**	**ANNEX A-1**

1.3 Service support constructions

> All plastic pipes (except for shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1)) have to be supported by service support constructions (e.g. pipe hangers) made of metal with a melting or decomposition point greater or equal than 1006 °C for EI 90 (e.g. stainless steel or galvanized steel) according to the UKTA-holder's installation instructions.

> In rigid walls, flexible walls and shaft walls the pipes have to be supported on both sides of the separating element.

> In rigid floors the pipes have to be supported on the top side of the separating element.

> In case of shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) the corresponding "Geberit PE" pipes and the PE-HD siphon according to EN 1519-1 or EN 12666-1 have to be supported resp. fixed according to the technical literature of the manufacturer.

> The first support (service support construction) for plastic pipes – installed perpendicular to the surface of the separating element – in flexible walls and rigid walls has to be at the distance as given in the following table (measured from the surface of the separating element).

Nominal diameter pipe	Geberit PE	Geberit Silent-PP	Geberit Silent-db20	Geberit Silent-Pro
	Distance (mm)			
DN 50/56	700	700	450	700
DN 75	700	700	650	700
DN 90	800	800	800	800
DN 100	1000	1000	1000	1000
DN 125	1200	1200	1200	1200
DN 150	1500	1500	1500	1500
DN 200	1900	---	---	---

> The first support (service support construction) for plastic pipes – installed in an angle between 90° and 45° – in flexible walls and rigid walls has to be at maximum 500 mm (measured from the surface of the separating element).

> The first support (service support construction) for "Geberit Silent-PP" pipes – installed perpendicular to the surface of the separating element – in shaft walls has to be at maximum 830 mm (measured from the surface of the separating element).

> The first support (service support construction) for plastic pipes – installed perpendicular to the surface of the separating element or in an angle between 90° and 45° – in rigid floors has to be at maximum 500 mm (measured from the surface of the separating element).

> All plastic pipes have to be fixed according to the UKTA-holder's installation instructions to the service support construction.

2 Details for installation of "Rohrschott90 Plus EN" (see Annex B to F-45 of the UKTA)

> "Rohrschott90 Plus EN" has to be installed according to the UKTA-holder's installation instructions.

> The smallest pipe collar corresponding to the relevant outer diameter of the pipe and shower floor drain, cross floor (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) to be sealed off has to be used (see Annex B of the UKTA).

> In case of pipe collars on connection sleeves and "Geberit Elektroschweißmuffe" (Geberit electrofusion sleeve coupling) from manufacturer "Geberit International AG", the next available dimension (type) of the pipe collar corresponding to the pipe diameter of the relevant pipe to be sealed off has to be used (e.g. for pipes with an outer diameter of 110 mm where in standard cases a pipe collar of type DN 100 has to be used, a pipe collar of type DN 125 has to be used).

> In case of pipe collars on Sound insulation mat according to clause 1 of the UKTA, the next available dimension (type) of the pipe collar corresponding to the pipe diameter of the relevant pipe to be sealed off (except for pipes with an outer diameter of 75 mm) has to be used (e.g. for pipes with an outer diameter of 110 mm where in standard cases a pipe collar of type DN 100 has to be used, a pipe collar of type DN 125 has to be used). For pipes with an outer diameter of 75 mm a pipe collar of type DN 100 has to be used.

> In case of pipe collars on "AF/Armaflex", the next available dimension (type) of the pipe collar corresponding to the pipe diameter of the relevant pipe to be sealed off has to be used (e.g. for pipes with an outer diameter of 110 mm where in standard cases a pipe collar of type DN 100 has to be used, a pipe collar of type DN 125 has to be used).

> In case of "Geberit Silent-db20" pipes with a diameter of 110 mm in rigid floors (see Annex E-14 and Annex F-24 of the UKTA) with pipe collars (optionally on "Geberit Elektroschweißmuffe" (Geberit electrofusion sleeve coupling)) fixed to the integrated fastenings of "Geberit Schalungsschoner mit integrierter Befestigung" (Geberit formwork guard with integrated fastening) a pipe collar of type DN 125 has to be used.

> For vertical separating elements (except shaft walls) the pipe collars have to be installed on both sides of the separating element.

> For shaft walls the pipe collars have to be installed outside the shaft.

> For horizontal separating elements the pipe collars have to be installed at the bottom side of the separating element.

Rohrschott90 Plus EN **- Details for installation -**	**ANNEX A-3**

> In case of pipe collars installed partially within the separating element or flushed within the separating element the distance between the front face bottom side of the pipe collar and the separating element has to be as given in the following table (measured from the surface of the separating element).

Pipe collar type	Flexible wall / Rigid wall		Rigid floor
	Distance (mm)	Minimum thickness in case of pipe collars installed flushed within the separating element (mm)	Distance (mm)
DN 32-56	0* to 40	100	0* to 40
DN 60 / 70	0* to 40	100	0* to 40
DN 90	0* to 40	100	0* to 40
DN 100	0* to 40	100	0* to 40
DN 125	20 to 60	---	0* to 60
DN 125**	45 to 60***	---	0* to 60
DN 125**	0* to 60	140	0* to 60
DN 150	30 to 55	---	0* to 50
DN 150**	55***	---	0* to 50
DN 150**	0* to 55	160	0* to 50
DN 200	40 to 65	---	0* to 60

* in these cases the pipe collar is installed flushed within the separating element

** only for plastic pipes “Geberit Silent-Pro”

***the distance between the two pipe collars within the separating element has to be minimum 50 mm

> In case of pipe collars installed flushed within the separating element (flexible wall and rigid wall) the distance between the front face top side of the two pipe collars has to be 0 mm.

> In case of pipe collars on connection sleeves of “Geberit Silent-PP” pipes installed partially within the separating element (flexible wall and rigid wall) the distance between the front face bottom side of the pipe collar and the separating element has to be 10 mm.

- In case of pipe collars installed partially within the separating element (flexible wall, rigid wall or rigid floor) the pipe collars type DN 32-56 to DN 125 have to be installed to a depth of minimum 10 mm (measured from the surface of the separating element).
- In case of pipe collars installed partially within the separating element (flexible wall and rigid wall) the pipe collars type DN 150 and DN 200 have to be installed to a depth of minimum 25 mm (measured from the surface of the separating element).
- In case of pipe collars installed partially within the separating element (rigid floor) the pipe collars type DN 150 and DN 200 have to be installed to a depth of minimum 30 mm (measured from the surface of the separating element).
- In case of pipe collars on “Geberit Silent-PP” pipes in horizontal separating elements – installed flushed within the separating element – each pipe collar has to be wrapped with 6 layers of Polyethylene sound insulation (tape) according to clause 1 of the UKTA with a length of 40 mm (measured from the front face bottom side of the pipe collar on the bottom side of the horizontal separating element).
- In case of pipe collars on connection sleeves of “Geberit Silent-PP” pipes in horizontal separating elements – installed flushed within the separating element – each pipe collar has to be wrapped with 6 layers of Polyethylene sound insulation (tape) according to clause 1 of the UKTA with a length of 40 mm (measured from the front face bottom side of the pipe collar on the bottom side of the horizontal separating element).
- In case of pipe collars type DN 150 on “Geberit Silent-Pro” pipes in horizontal separating elements – installed flushed within the separating element – each pipe collar has to be wrapped with 6 layers of Polyethylene sound insulation (tape) according to clause 1 of the UKTA with a length of 40 mm (measured from the front face bottom side of the pipe collar on the bottom side of the horizontal separating element).

2.1 Fixing

> For flexible walls the pipe collars have to be fixed by threaded steel bolts (thread size M6 for type DN 32-56 to DN 200; length ≥ thickness of the separating element) and on both sides of the separating element with washers and nuts (corresponding to the outer diameter of the threaded steel bolts).

> For shaft walls the pipe collars have to be fixed by appropriate steel screw anchors (outer diameter 6 mm; length 45 mm).

> For rigid walls and rigid floors (except pipe collars type DN 150 and DN 200 for aerated concrete floors) the pipe collars have to be fixed by threaded steel bolts (thread size M6 for type DN 32-56 to DN 200; length ≥ thickness of the separating element) and on both sides of the separating element with washers and nuts (corresponding to the outer diameter of the threaded steel bolts) or self-drilling screws (outer diameter 7,5 mm; length 60 mm; only for rigid floors with a thickness of minimum 150 mm).

> For aerated concrete floors the pipe collars type DN 150 and DN 200 have to be fixed by threaded steel bolts (thread size M6; length ≥ thickness of the separating element) and on both sides of the separating element with washers and nuts (corresponding to the outer diameter of the threaded steel bolts).

> In case of "Geberit Silent-db20" pipes with a diameter of 110 mm in concrete floors (rigid floors; see Annex E-14 and Annex F-24 of the UKTA) the pipe collars can alternatively be fixed to the four threads of the integrated fastenings (thread size M8) of "Geberit Schalungsschoner mit integrierter Befestigung" (Geberit formwork guard with integrated fastening) with washers and nuts (corresponding to the outer diameter of the threads of the integrated fastening).

> In case of pipe collars installed partially within the separating element or flushed within the separating element no additional mechanical fixing (e.g. threaded steel bolts) is required. In these cases the fixing lugs have to be bended outwards at the axis of the bores in an angle of 90° so that an "L" is formed.

> In case of two adjoining pipe collars (back to back) in flexible walls or rigid walls, installed partially within the separating element or flushed within the separating element, the pipe collars can be optionally fixed together by threaded steel bolts (thread size M6) and nuts (corresponding to the outer diameter of the threaded steel bolts) or hexagonal steel bolts (thread size M6) and nuts (corresponding to the outer diameter of the hexagonal steel bolts). The number of fixing lugs shall not be reduced.

2.2 Insulation

2.2.1 Polyethylene sound insulation (tube or tape)

> Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA can be used.

> In case of shower floor drain, cross floor (including the corresponding “Geberit PE” pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA has to be used.

> The pipes and the shower floor drain, cross floor (including the corresponding “Geberit PE” pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) can be insulated in the penetration area exclusively as well as at their complete length.

> The polyethylene sound insulation with an overall thickness of 4 mm has to project the pipe collar on both sides of the separating element by minimum 50 mm (except for shower floor drain, cross floor (including the corresponding “Geberit PE” pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) where in some cases the Polyethylene sound insulation can end at the top side of the floor (see Annex E-21 to E-23 of the UKTA)).

> The polyethylene sound insulation in form of tubes can either be pushed tightly onto the pipe or slotted and wrapped tightly around the pipe or the shower floor drain, cross floor (including the corresponding “Geberit PE” pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) and has to be additionally fixed by adhesive tape.

> The polyethylene sound insulation in form of tapes has to be wrapped tightly around the pipe or the shower floor drain, cross floor (including the corresponding “Geberit PE” pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1).

> For further details see technical literature of the manufacturer.

2.2.2 Sound insulation mat

> In some cases (see Annex C-4, D-4, D-11, D-22, D-29, E-5 to E-7, F-20 and F-29 to F-31 of the UKTA) Sound insulation mat according to clause 1 of the UKTA can be used.

> The pipes can be insulated in the penetration area exclusively as well as at their complete length.

> The sound insulation mat with a thickness of 17 mm has to project the separating element on both sides of the separating element by minimum 500 mm.

> The sound insulation mat has to be wrapped tightly around the pipe and additionally fixed by adhesive tape.

> For further details see technical literature of the manufacturer.

2.2.3 AF/Armaflex

> In some cases (see Annex C-5, D-5, D-12, D-23, D-30 and E-8, F-4, F-10, F-21, F-32 of the UKTA) plastic pipes can be insulated (local-sustained or continued-sustained) with “AF/Armaflex”.

> The tube of “AF/Armaflex” has to be installed centred in the opening of the separating element so that it protrudes the separating element on both sides by ≥ 500 mm (measured from the surface of the separating element) and that it is continuous (without butt joints) along the required minimum insulation length.

> The tube of “AF/Armaflex” can be either pushed onto the pipe or slotted and glued at the longitudinal joint.

> When installing “AF/Armaflex” all longitudinal joints have to be glued with “Armaflex 520” and covered with “AF/Armaflex Band selbstklebend” (AF/Armaflex self-adhesive tape).

> The amount of “Armaflex 520” shall not be more than 300 g/m².

> The strip of “AF/Armaflex Band selbstklebend” (AF/Armaflex self-adhesive tape) has to be 50 mm x 3 mm (width x thickness).

> The thickness of the tube of “AF/Armaflex” (in accordance with the outer diameter of the pipe to be sealed off) has to be as given in the following table resp. Annex D-5, D-12, D-23, D-30 and E-8, F-4, F-10, F-21, F-32 of the UKTA.

Outer diameter of the pipe (mm)	**Thickness of AF/Armaflex (mm)**
50	13,5
56 / 63 / 75	14
90	14,5
110	15 to 18*
125	15 to 23,5
135	15 to 24
160	15 to 25

* in case of “Geberit PE” pipes and “Geberit Silent-db20” pipes in rigid floors the thickness of “AF/Armaflex” can be 15 mm to 23,5 mm

> For further details see technical literature of the manufacturer.

2.3 Annular gap

> The annular gap (width 10 mm to 30 mm) between the pipe and shower floor drain, cross floor (including the corresponding “Geberit PE” pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) to be sealed off and the flexible wall, rigid wall or the rigid floor (vertical separating element or horizontal separating element) has to be completely (over the entire thickness of the separating element) filled with Gap filler according to clause 1 of the UKTA on both sides of the separating element.

> In case of “Geberit Silent-db20” pipes with a diameter of 110 mm in rigid floors (see Annex E-14 and Annex F-24 of the UKTA) with pipe collars fixed to the integrated fastenings of “Geberit Schalungsschoner mit integrierter Befestigung” (Geberit formwork guard with integrated fastening) no annular gap is permitted. The “Geberit Schalungsschoner mit integrierter Befestigung” (Geberit formwork guard with integrated fastening) has to be directly embedded in the concrete floor (rigid floor), whereas the covering has to be ≥ 108 mm. In the area of the “Geberit Schalungsschoner mit integrierter Befestigung” (Geberit formwork guard, with integrated fastening) which is to be removed after the installation of the “Geberit Silent-dB20” pipe, a hole on the bottom side of the floor of dimension 200 mm x 200 mm x 42 mm (length x with x height) remains. For further details about installation see technical literature of the manufacturer resp. Annex E-14 of the UKTA.

> The annular gap (width 10 mm to 50 mm) – in case of pipe collars installed partially within the separating element – between the pipe to be sealed off resp. the pipe collar and the flexible wall, rigid wall or the rigid floor (vertical separating element or horizontal separating element) has to be completely (over the entire thickness of the separating element) filled with Gap filler according to clause 1 of the UKTA on both sides of the separating element.

> The annular gap (width 20 mm to 50 mm) – in case of pipe collars installed flushed within the separating element – between the pipe to be sealed off resp. the pipe collar and the flexible wall, rigid wall or the rigid floor (vertical separating element or horizontal separating element) has to be completely (over the entire thickness of the separating element) filled with Gap filler according to clause 1 of the UKTA on both sides of the separating element.

> In case of pipe collars type DN 32-56, DN 60 / DN 70 and DN 125 – installed partially within the separating element or flushed within the separating element – the gap between the pipe to be sealed off and the intumescent inlay of the pipe collar has to be completely closed with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA to ensure that no Gap filler according to clause 1 of the UKTA runs into the gap.

> In case of pipe collars on connection sleeves and “Geberit Elektroschweißmuffe” (Geberit electrofusion sleeve coupling) from manufacturer “Geberit International AG” – installed partially within the separating element or flushed within the separating element – the gap between the pipe to be sealed off and the intumescent inlay of the pipe collar has to be completely closed with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA to ensure that no Gap filler according to clause 1 of the UKTA runs into the gap.

> The annular gap (width 10 mm to 20 mm) between the pipe to be sealed off and the shaft wall (vertical separating element) has to be completely (over the entire thickness of the separating element) filled with gap filler “CP611A” according to clause 1 of the UKTA on both sides of the separating element.

> In case of non-insulated flexible walls it has to be ensured that the cavity of the flexible wall around the annular gap is filled with stone wool with classification A2-s1,d0 or A1 according to EN 13501-1.

2.4 Installation of pipe collar on pipes in an angle between 90° and 45° in flexible walls and rigid walls (additional information) (see Annex C-8 to C-11 of the UKTA)

> The pipe collars can only be installed partially within the separating element or flushed within the separating element.

> In these cases, one side (front face bottom side or front face top side) of the housing of each pipe collar has to be in contact with the surface of the separating element (see Annex C-8 to C-11, D-6, D-7, D-15 to D-17, D-24, D-25 and D-33 to D-36 of the UKTA).

> The distance between the two pipe collars within the separating element has to be minimum 50 mm.

> The two pipe collars shall not be fixed together or fixed to the separating element.

> If these provisions cannot be fulfilled due to the thickness of the separating element, the thickness of the separating element has to be increased by installing a board frame of minimum dimension 100 mm x 100 mm (width x height; measured from the surface of the pipe) made of boards (gypsum boards or silicate- or calcium silicate boards) with a thickness of minimum 12,5 mm and classification A2-s1,d0 or A1 according to EN 13501-1 around the pipe. The board frame has to be installed and fixed according to the UKTA-holder’s installation instructions.

> The cavity within the separating element around the pipe resp. the pipe collar has to be completely (over the entire thickness of the separating element) filled with Gap filler according to clause 1 of the UKTA on both sides of the separating element.

> The front face bottom side of the pipe collars on both sides of the separating element shall not be covered by Gap filler according to clause 1 of the UKTA.

2.5 Installation of pipe collar on pipes in an angle between 90° and 45° in rigid floors (additional information) (see Annex E-15 to E-18 of the UKTA)

> The pipe collars can only be installed partially within the separating element or flushed within the separating element.

> In these cases, one side (front face bottom side or front face top side) of the housing of the pipe collar has to be in contact with the surface of the separating element (see Annex E-15 to E-18, F-6, F-14 to F-16, F-25 and F-36 to F-39 of the UKTA).

> The pipe collar has to be installed in such a way, that the highest point of the housing is covered by minimum 50 mm (see Annex E-15 to E-18 of the UKTA).

> The pipe collar shall not be fixed to the separating element.

> If these provisions cannot be fulfilled due to the thickness of the separating element, the thickness of the separating element has to be increased by installing a partial doubling of minimum dimension 100 mm x 100 mm (width x height; measured from the surface of the pipe) made of mortar with classification A1 according to EN 13501-1. The partial doubling has to be realised according to the UKTA-holder's installation instructions.

> The cavity within the separating element around the pipe resp. the pipe collar has to be completely filled with mortar with classification A1 according to EN 13501-1 to clause 1 of the UKTA on both sides of the separating element.

> The front face bottom side of the pipe collar on the bottom side of the horizontal separating element shall not be covered by Gap filler according to clause 1 of the UKTA.

3 Minimum working clearances

> The minimum distance between two pipes (linear arrangement, no clusters) in flexible walls, rigid walls and rigid floors is 100 mm (measured from the surface of the pipe collar).

> In some cases (see Annex C-13 and E-19 of the UKTA as well as Annex D-1 to D-3, D-8 to D-10, D-19 to D-21, D-26 to 28, F-1 to F-3, F-7 to F-9, F-17 to F-19, F-26 to F-28 and F-33 to F-35 of the UKTA) the minimum distance between two pipes (linear arrangement, no clusters) in flexible walls, rigid walls and rigid floors can be 0 mm (measured from the surface of the pipe collar).

> The minimum distance between two pipes (linear arrangement, no clusters) in shaft walls is 100 mm (measured from the surface of the pipe collar).

> The minimum distance to other installations or penetration seals in flexible walls, rigid walls shaft walls or rigid floors is 100 mm.

4 Transport and storage

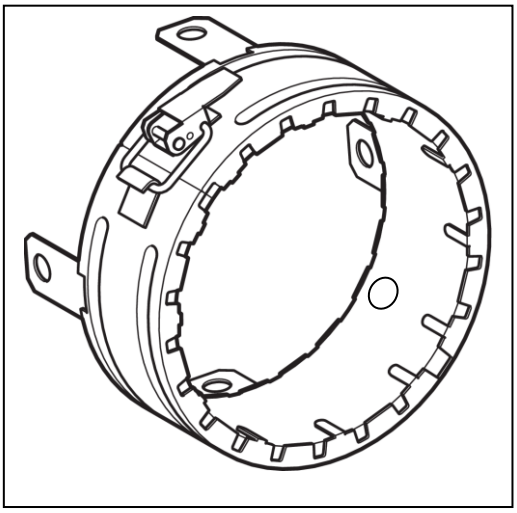
> The indications of the manufacturer regarding transport and storage (minimum and maximum storing temperature, maximum duration of storage) have to be followed.

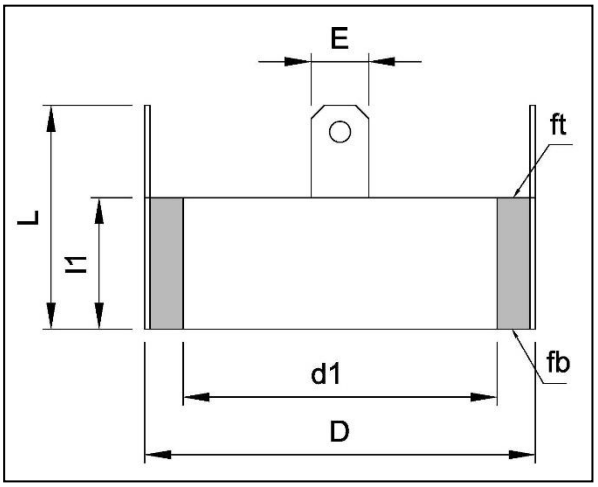
5 Use, maintenance and repair

> The fire resistance of the penetration seal shall not be negatively affected by future changes to buildings or building elements.

> The assessment of the fitness for use is based on the assumption that necessary maintenance and repair if required is carried out in accordance with the manufacturer's instructions during the assumed intended working life.

ANNEX B – Description of pipe collar “Rohrschott90 Plus EN”





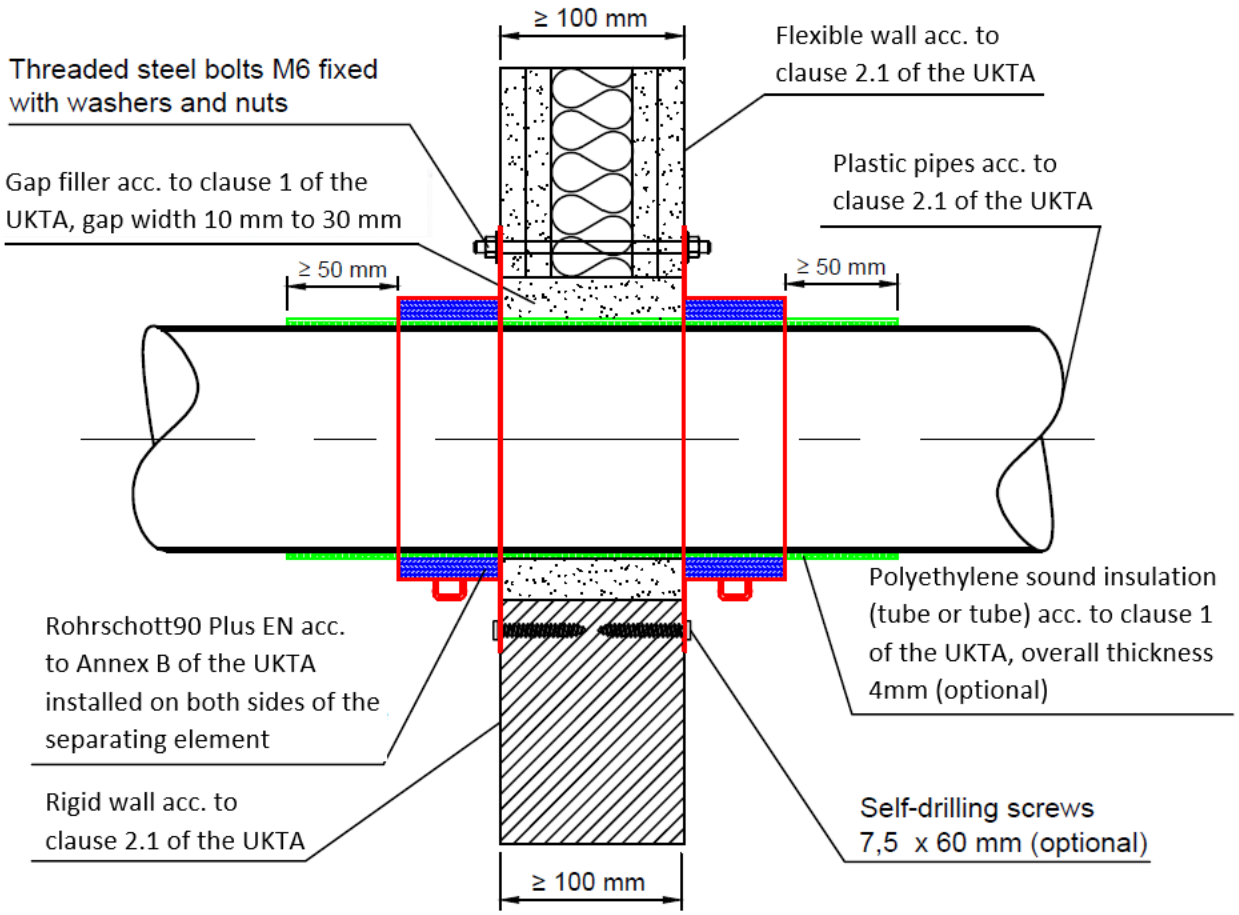
thickness of sheet steel of pipe collar 0,50 mm
thickness of sheet steel of fixing lugs 0,80 mm

collar					active component		fixing lugs			fastener
type (---)	**d1** (mm)	**D** (mm)	**l1** (mm)	**L** (mm)	**C** (---)	**l1** (mm)	**E** (mm)	**P** (pcs)	**F** (mm)	**Q** (pcs)
DN 32-56	63,4	78,0 ± 1,5	50	85	2	48 ± 0,5	22	3	8	1
DN 60 / 70	82,5	102,1 ± 1,5	50	85	3	48 ± 0,5	22	3	8	1
DN 90	97,7	119,0 ± 1,7	50	85	4	48 ± 0,5	22	3	8	1
DN 100	117,8	145,2 ± 1,7	50	85	5	48 ± 0,5	22	4	8	1
DN 125	141,4	170,1 ± 1,9	70	105	5	68 ± 0,5	22	4	8	2
DN 150	169,2	206,3 ± 2,1	80	115	8	78 ± 0,5	22	5	8	2
DN 200	207,2	272,1 ± 2,3	90	125	13	88 ± 0,5	22	6	8	2

d1… inner diameter of collar
l1…. height of collar / active component
L….. height of collar including fixing lugs
C…. number of layers (thickness of active component 2,2 mm - 0 mm / + 0,30 mm)
D…. outer diameter of collar
E…. width of fixing lugs
F…. diameter of bores
P…. number of fixing lugs
Q…. number of fastener
fb…. front face bottom side
ft….. front face top side

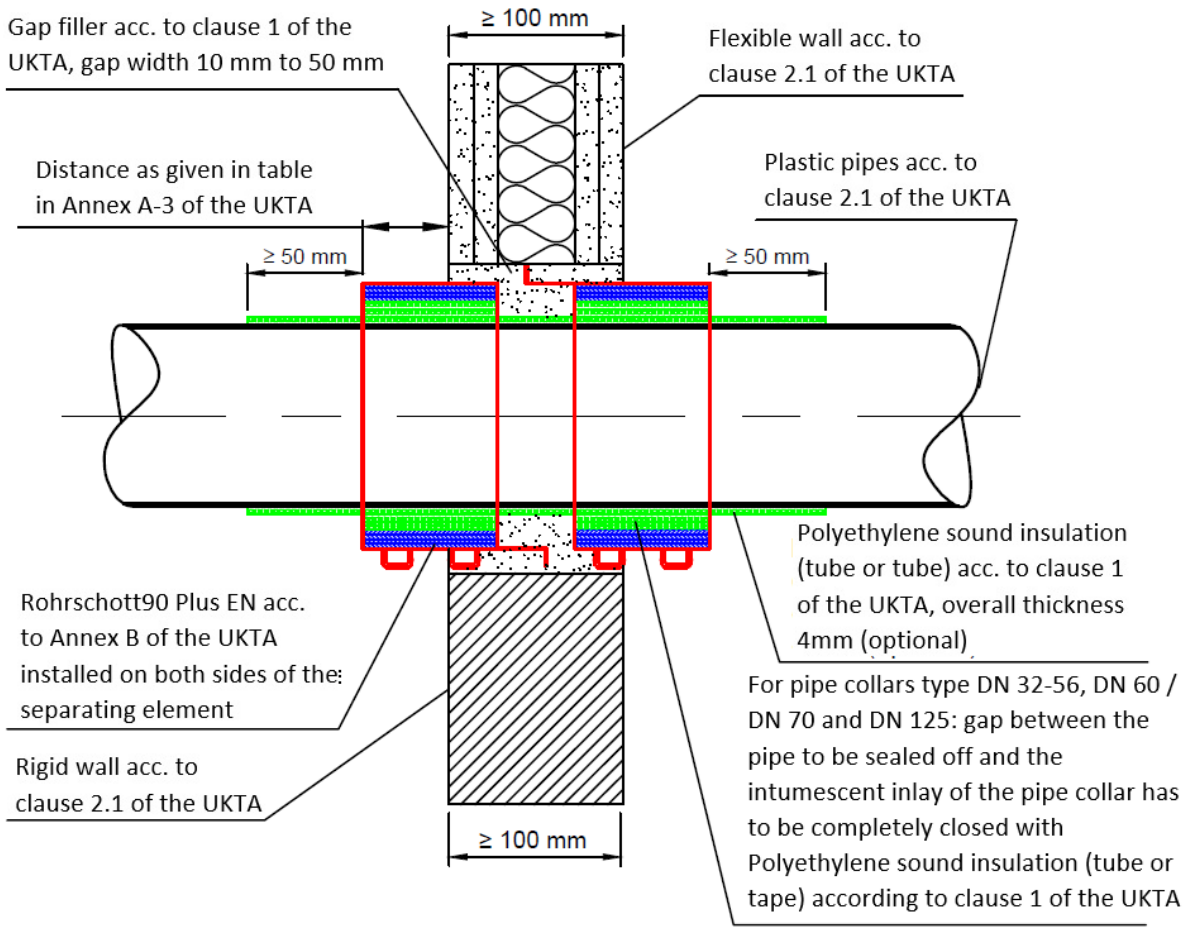
ANNEX C – Installation in flexible wall and rigid wall

Plastic pipes acc. to cl. 2.1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element – Installation drawing – sectional view



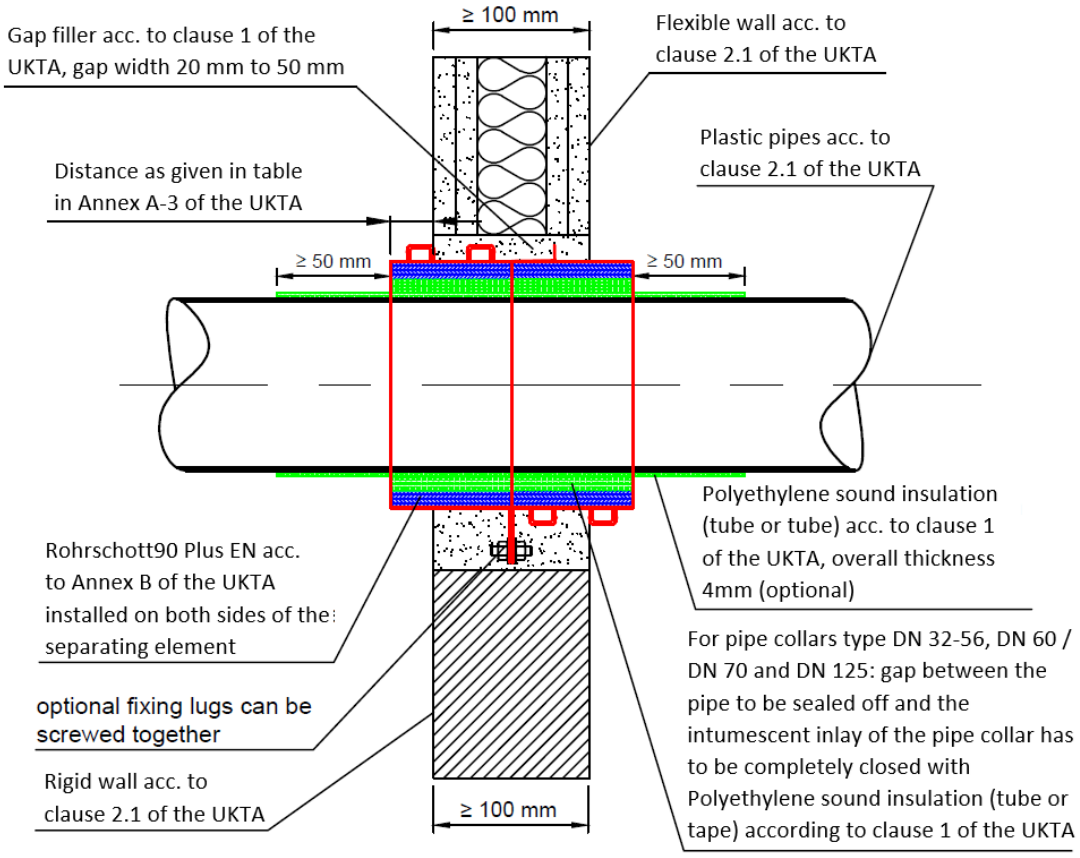
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-1**

Plastic pipes acc. to cl. 2.1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element – Installation drawing – sectional view



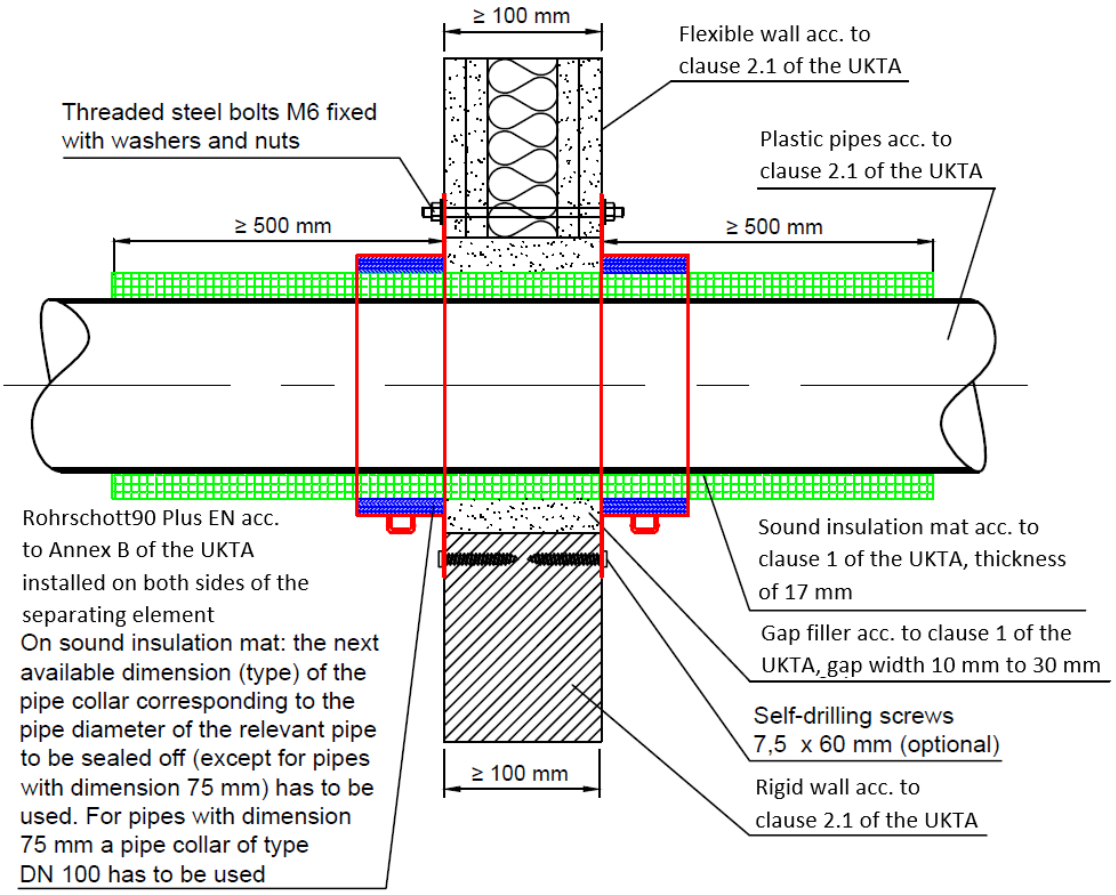
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-2**

Plastic pipes acc. to cl. 2.1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element – Installation drawing – sectional view



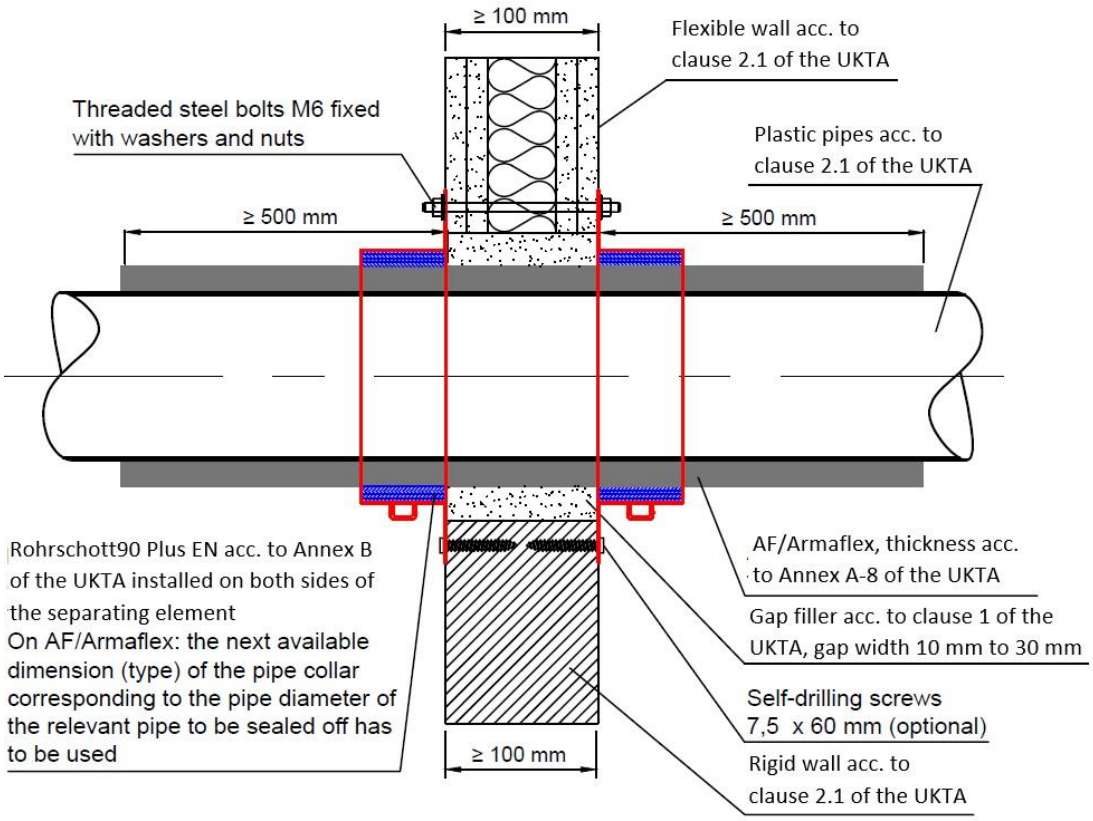
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-3**

Plastic pipes Geberit PE and Geberit Silent-db20 acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element – Installation drawing – sectional view



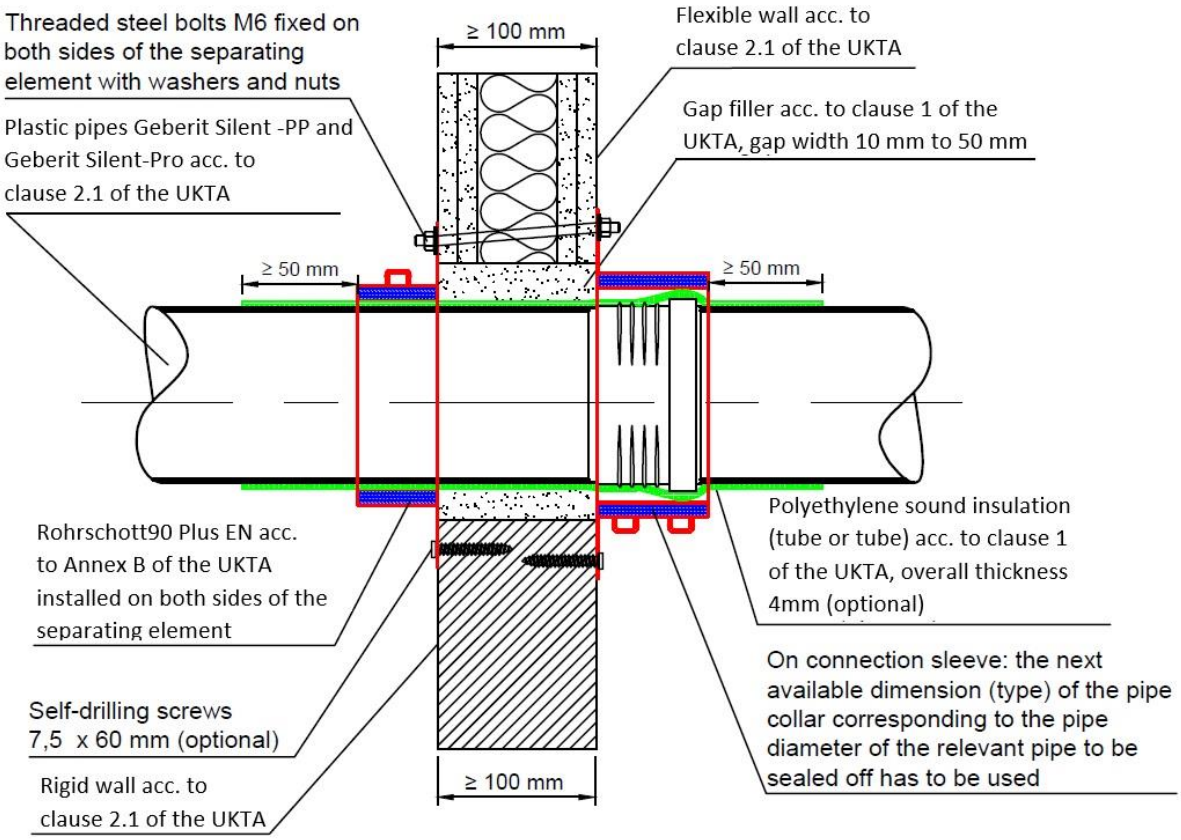
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-4**

Plastic pipes acc. to cl. 2.1 of the UKTA with "AF/Armaflex" – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element – Installation drawing – sectional view



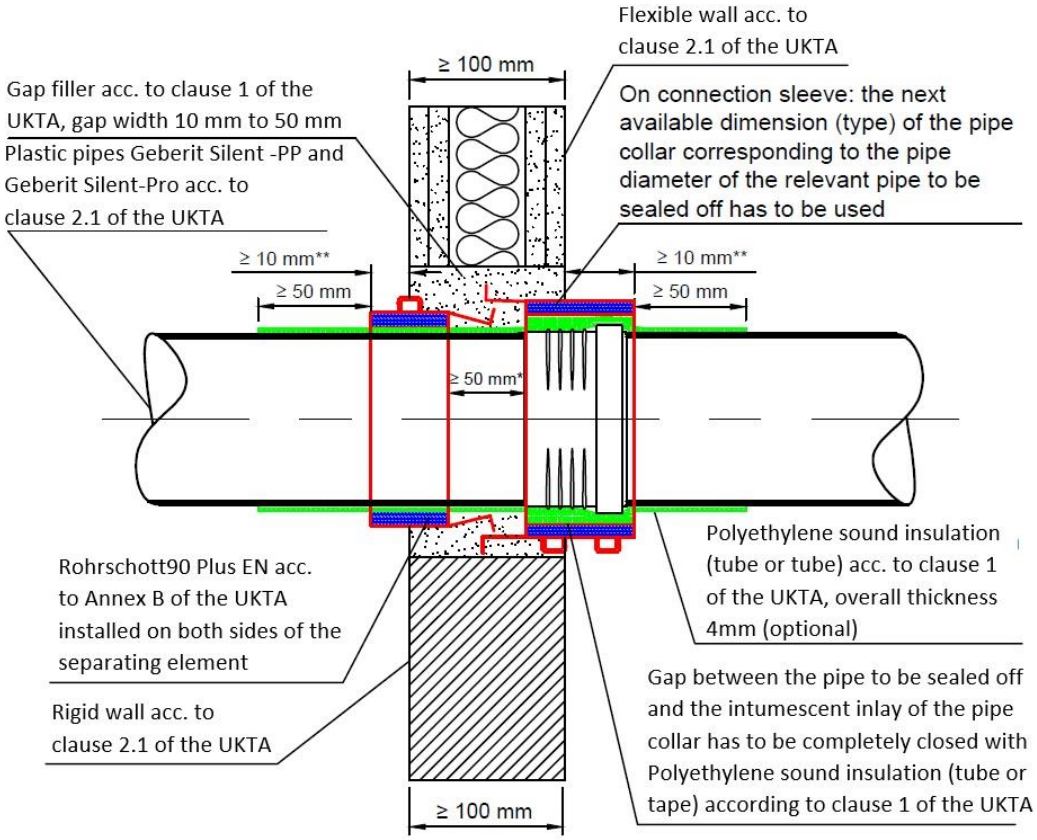
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-5**

Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides to the surface of the separating element – Installation drawing – sectional view



Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-6**

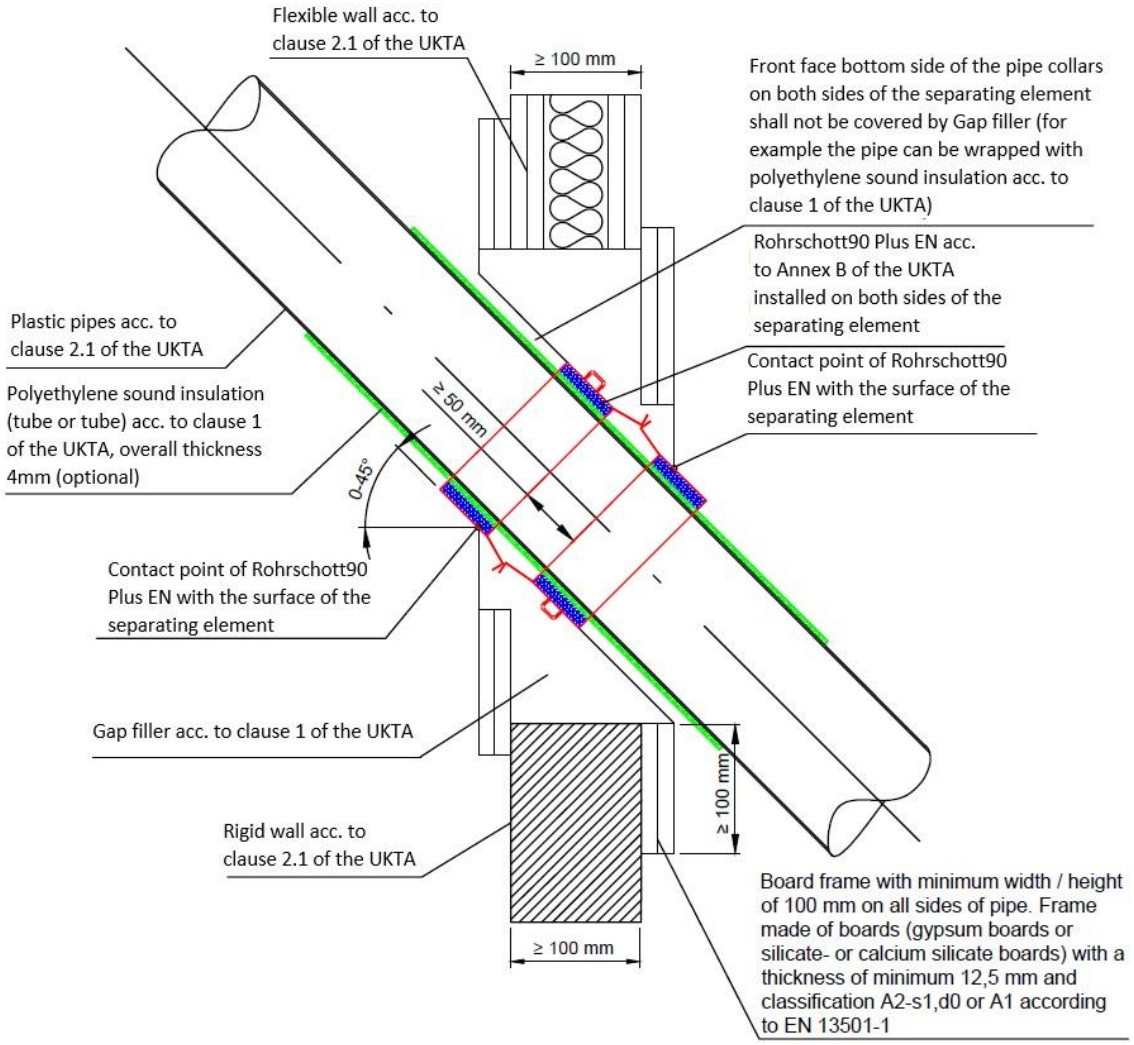
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides partially within the separating element – Installation drawing – sectional view



* only valid for plastic pipes Geberit Silent-Pro
** only valid for plastic pipes Geberit Silent-PP

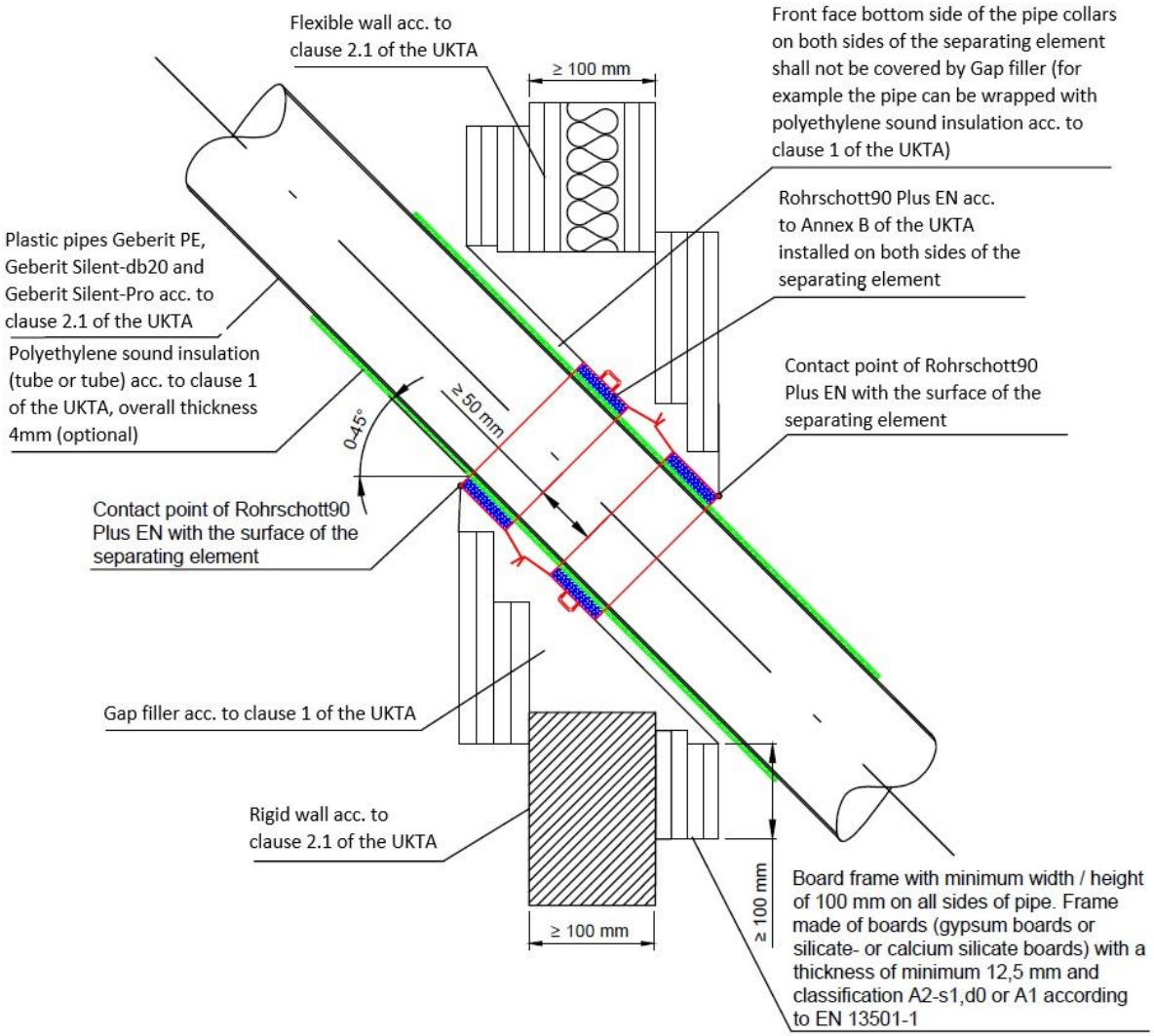
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-7**

Plastic pipes acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element – Installation drawing – sectional view



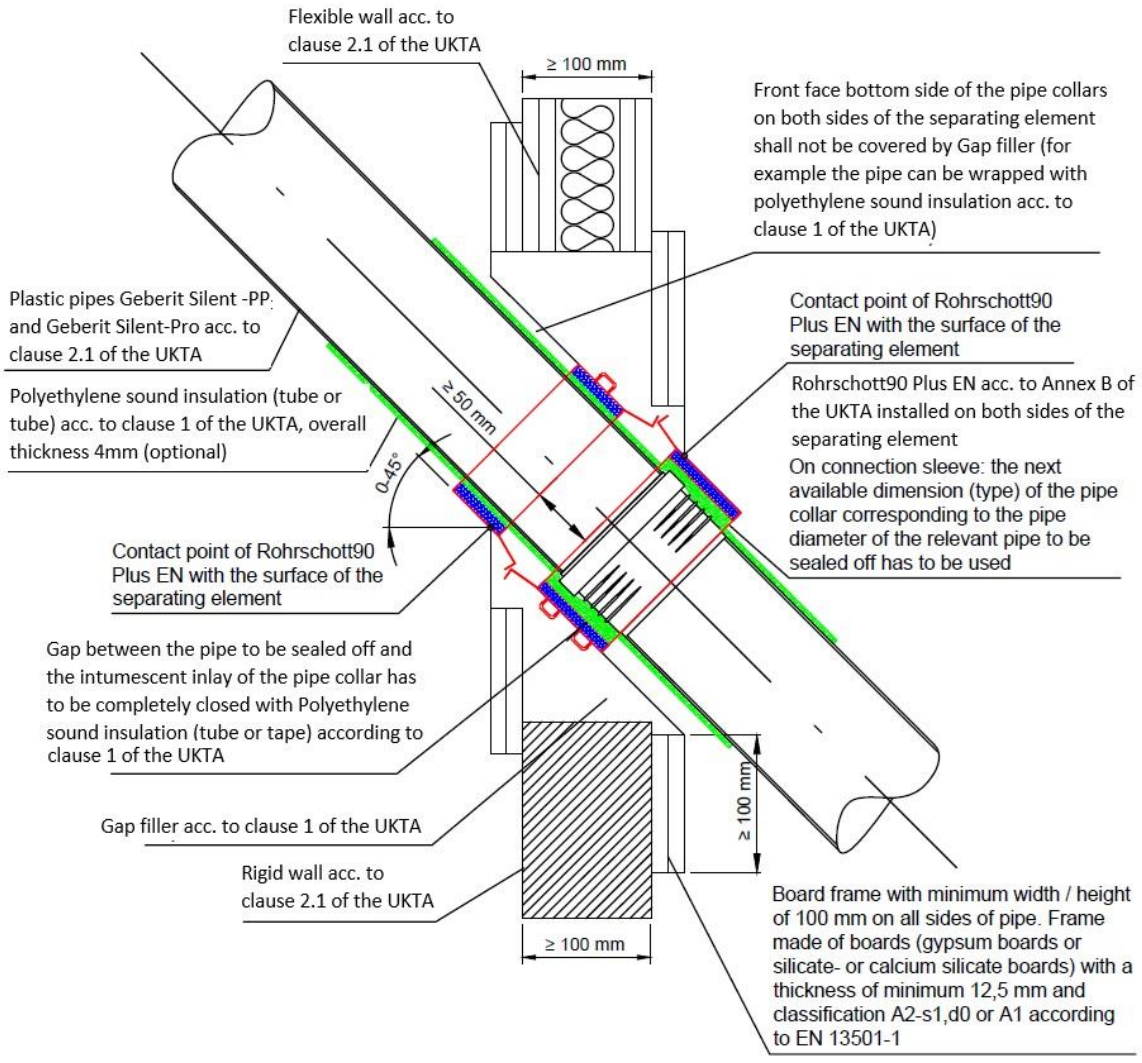
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-8**

Plastic pipes Geberit PE, Geberit Silent-db20 and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element – Installation drawing – sectional view



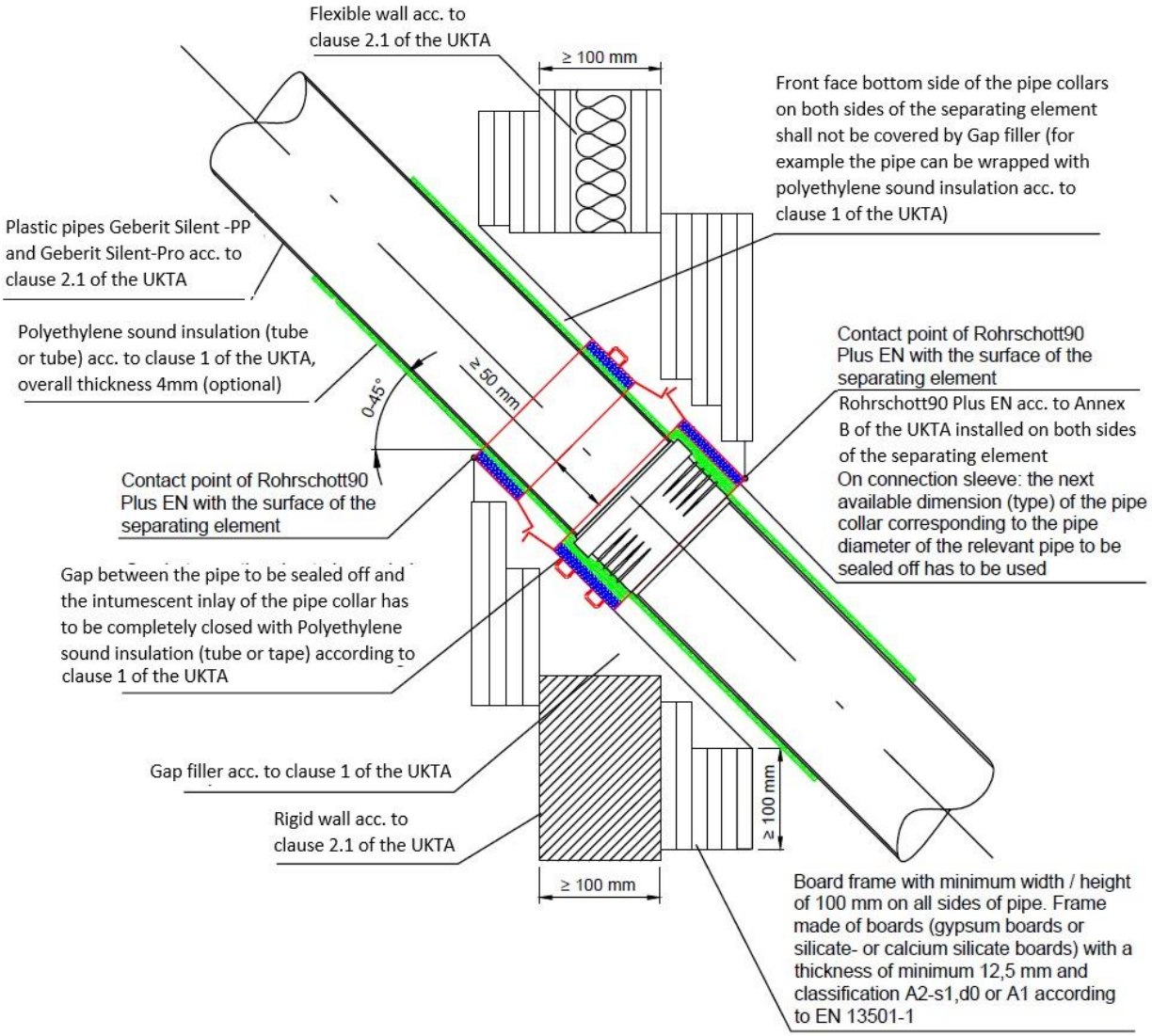
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-9**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides partially within the separating element – Installation drawing – sectional view



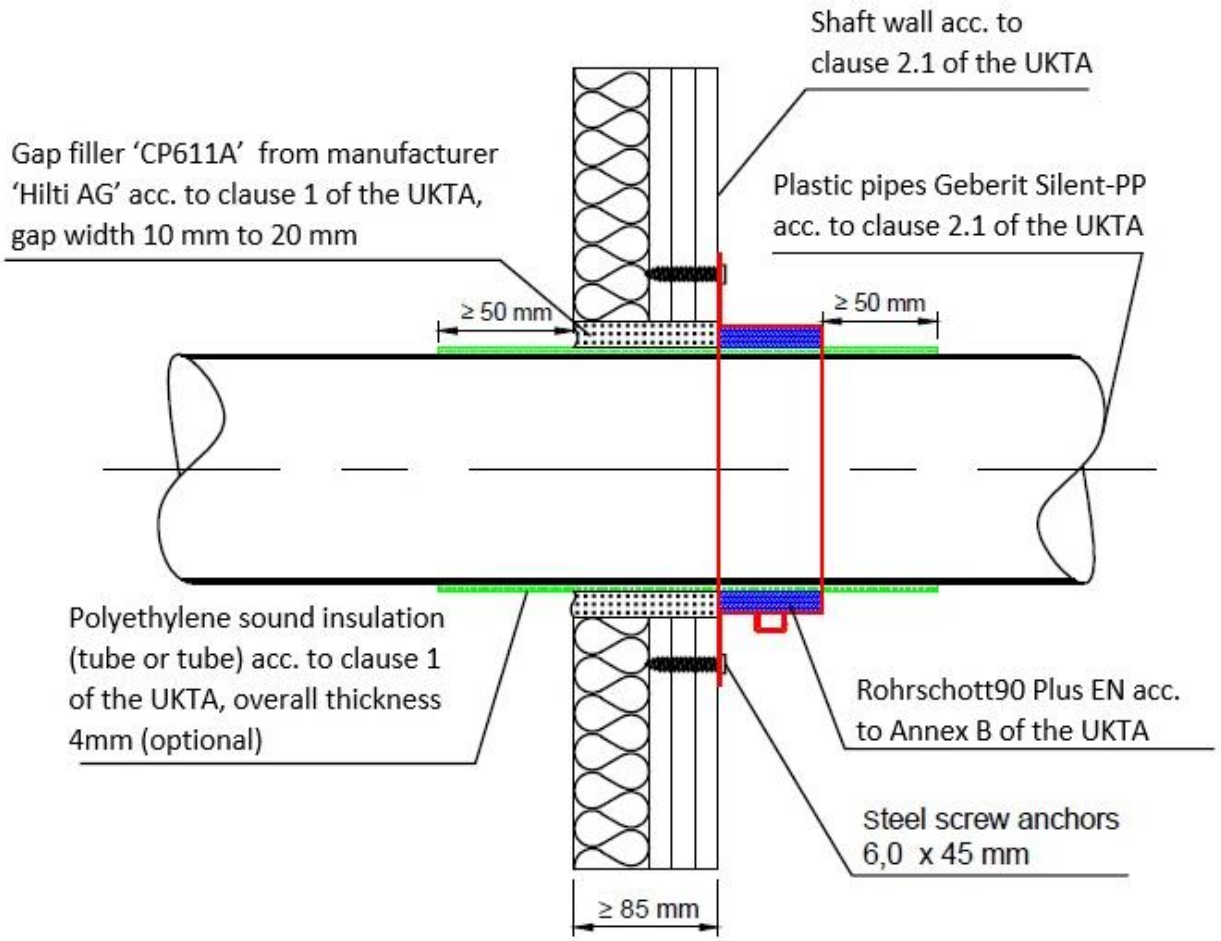
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-10**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides flushed within the separating element – Installation drawing – sectional view



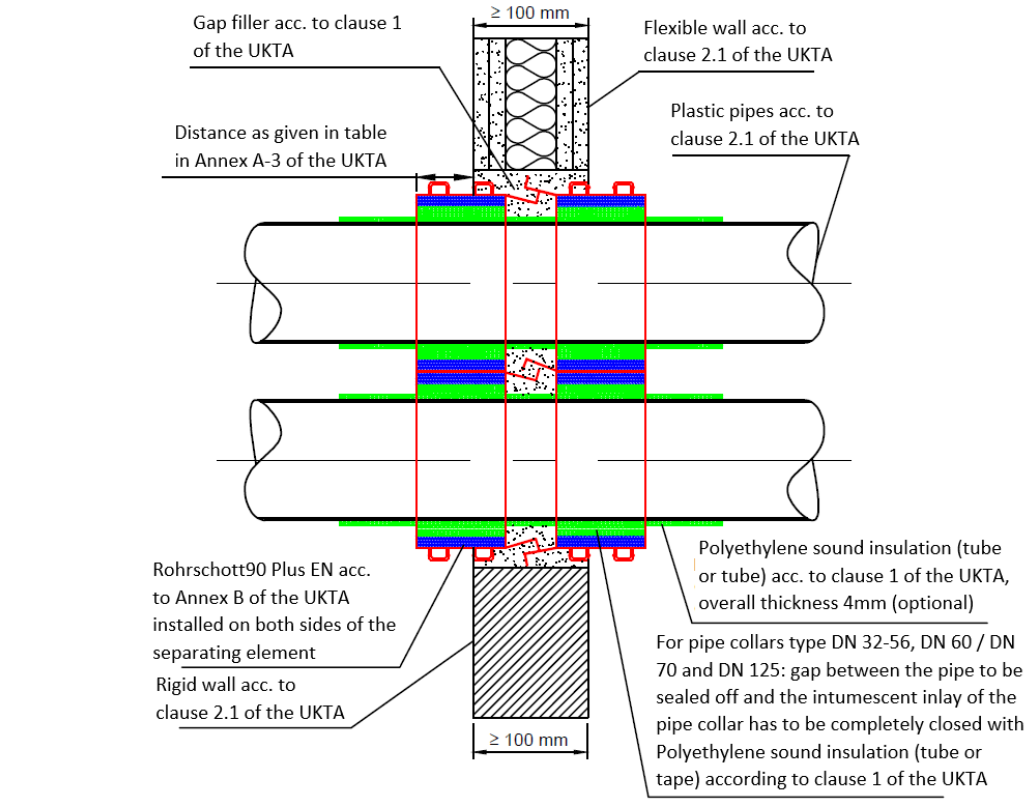
Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-11**

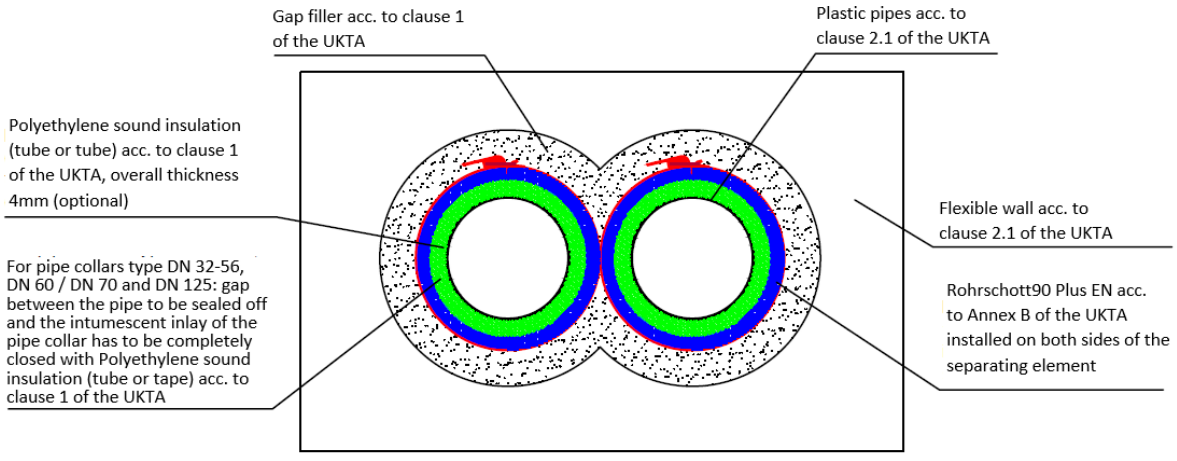
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA – in shaft walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed outside the shaft to the surface of the shaft wall – Installation drawing – sectional view



Rohrschott90 Plus EN **- Installation in shaft wall -**	**ANNEX C-12**

Plastic pipes acc. to cl. 2.1 of the UKTA – in in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Minimum distance between two pipe collars (0 mm) – Installation drawing – sectional view / front view

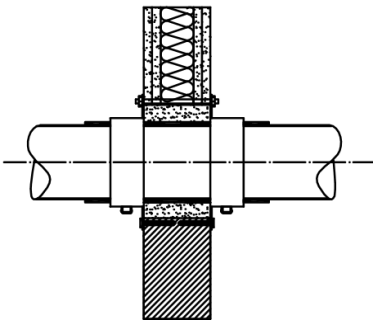


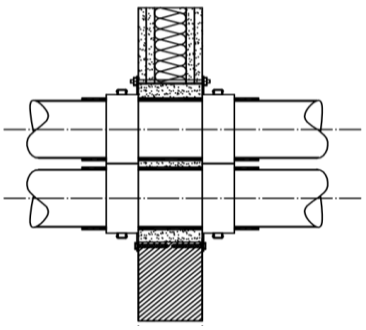


Rohrschott90 Plus EN **- Installation in flexible wall and rigid wall -**	**ANNEX C-13**

ANNEX D – Fire resistance classification in flexible wall and rigid wall

PE

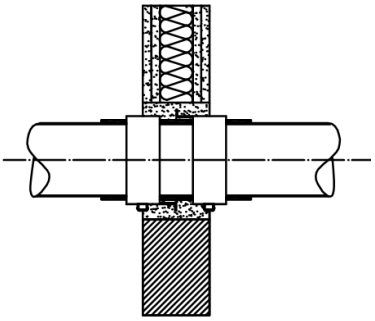


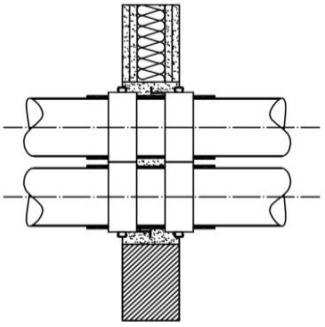


Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	3,0		
50	3,0		
56	3,0		
63	3,0		
75	3,0		
90	3,5		
110	4,3		
125	4,9		
160	6,2		
200	6,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-1**

PE

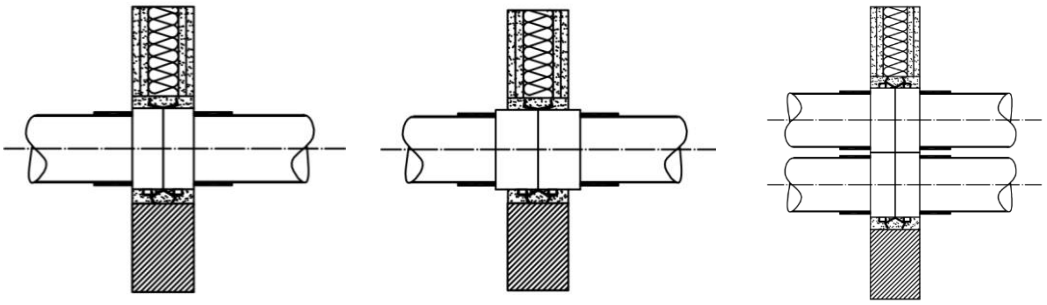




Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	3,0		
50	3,0		
56	3,0		
63	3,0		
75	3,0		
90	3,5		
110	4,3		
125	4,9		
160	6,2		
200	6,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-2**

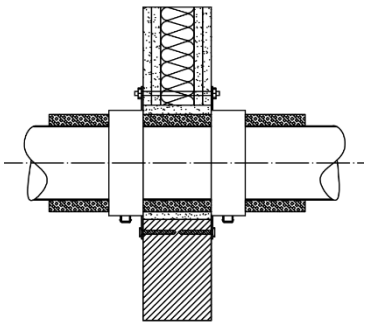
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	3,0		
50	3,0		
56	3,0		
63	3,0		
75	3,0		
90	3,5		
110	4,3		
125	4,9		----------
160	6,2	----------	----------
200	6,2	EI 90-U/U E 90-U/U	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-3**

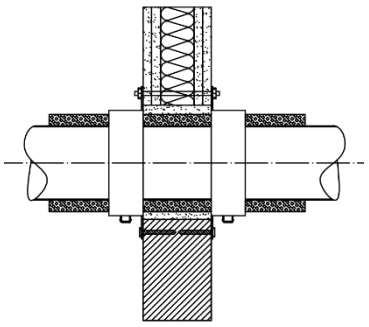
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
32	3,0	----------	----------	----------
40	3,0	----------	----------	----------
50	3,0	----------	----------	----------
56	3,0	----------	----------	----------
63	3,0	----------	----------	----------
75	3,0	17	≥ 500	EI 90-U/U E 90-U/U
90	3,5	17	≥ 500	
110	4,3	17	≥ 500	
125	4,9	17	≥ 500	
160	6,2	17	≥ 500	
200	6,2	----------	----------	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-4**

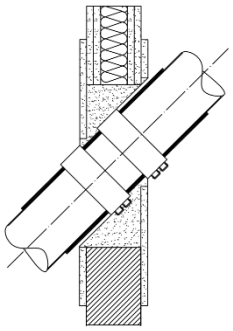
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
32	3,0	----------	----------	----------
40	3,0	----------	----------	----------
50	3,0	13,5	≥ 500	EI 90-U/U E 90-U/U
56	3,0	14	≥ 500	
63	3,0	14	≥ 500	
75	3,0	14	≥ 500	
90	3,5	14,5	≥ 500	
110	4,3	15 to 18	≥ 500	
125	4,9	15 to 23,5	≥ 500	
160	6,2	16 to 25	≥ 500	
200	6,2	----------	----------	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-5**

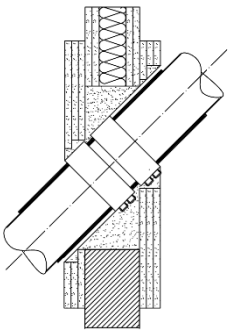
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,0	----------
63	3,0	----------
75	3,0	----------
90	3,5	----------
110	4,3	----------
125	4,9	EI 90-U/U E 90-U/U

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-6**

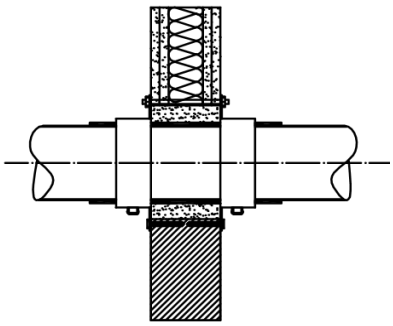
PE

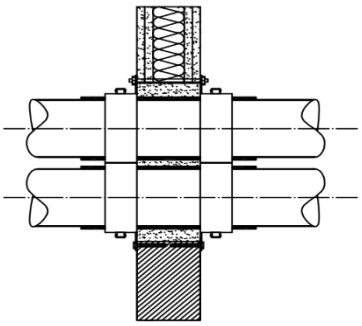


Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,0	----------
63	3,0	----------
75	3,0	----------
90	3,5	----------
110	4,3	EI 90-U/U E 90-U/U

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-7**

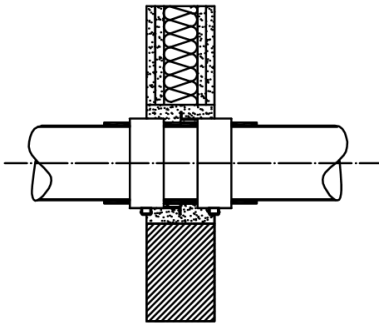
Silent-PP

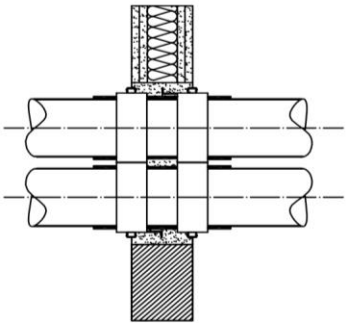




Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	2,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	2,0		
50	2,0		
75	2,6		
90	3,1		
110	3,6		
125	4,2		
160	5,2		

Silent-PP

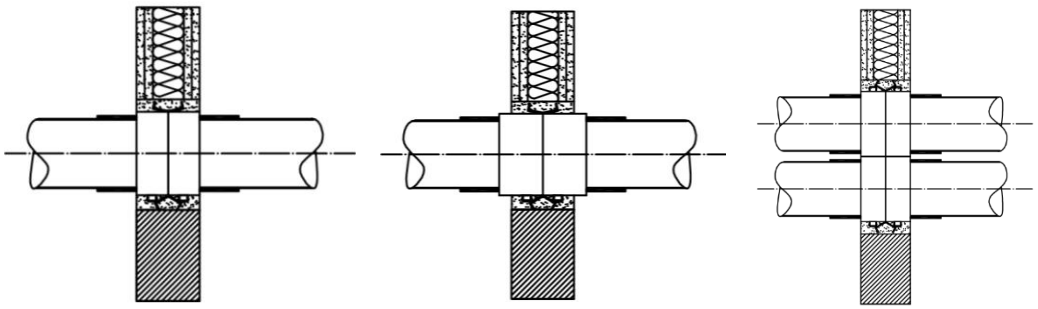




Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	2,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	2,0		
50	2,0		
75	2,6		----------
90	3,1		EI 90-U/U E 90-U/U
110	3,6		
125	4,2		
160	5,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-9**

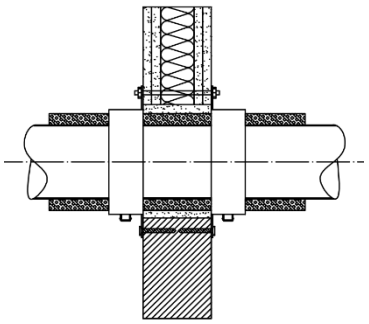
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	2,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	2,0		
50	2,0		
75	2,6		----------
90	3,1		EI 90-U/U E 90-U/U
110	3,6		
125	4,2	----------	----------
160	5,2	EI 90-U/U E 90-U/U	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-10**

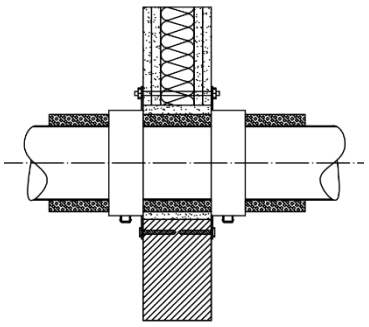
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
32	2,0	----------	----------	----------
40	2,0	17	≥ 500	EI 90-U/U E 90-U/U
50	2,0	17	≥ 500	
75	2,6	17	≥ 500	
90	3,1	17	≥ 500	
110	3,6	17	≥ 500	
125	4,2	----------	----------	----------
160	5,2	----------	----------	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-11**

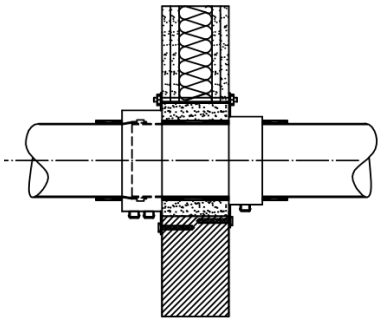
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
32	2,0	----------	----------	----------
40	2,0	----------	----------	----------
50	2,0	13,5	≥ 500	EI 90-U/U E 90-U/U
75	2,6	14	≥ 500	
90	3,1	14,5	≥ 500	
110	3,6	15 to 18	≥ 500	
125	4,2	15 to 23,5	≥ 500	
160	5,2	16 to 25	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-12**

Silent-PP



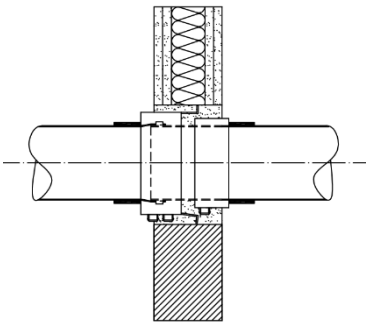
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on both sides to the surface of the separating element

Pipe dimensions (mm)		Fire resistance classification
Outer diameter	**Wall thickness**	
32	2,0	EI 90-U/U E 90-U/U
40	2,0	
50	2,0	
75	2,6	
90	3,1	
110	3,6	
125	4,2	
160	5,2	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-13**

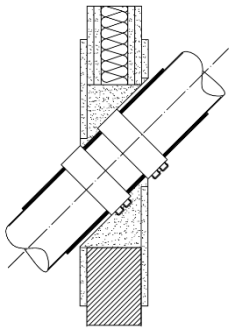
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	EI 90-U/U E 90-U/U
40	2,0	
50	2,0	
75	2,6	
90	3,1	
110	3,6	
125	4,2	----------
160	5,2	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-14**

Silent-PP



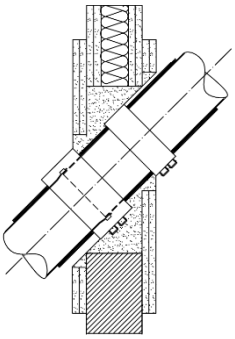
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	----------
40	2,0	----------
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	----------
125	4,2	EI 90-U/U E 90-U/U
160	5,2	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-15

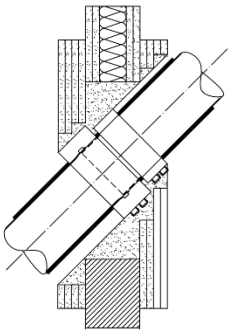
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	----------
40	2,0	----------
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	----------
125	4,2	EI 90-U/U E 90-U/U
160	5,2	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-16**

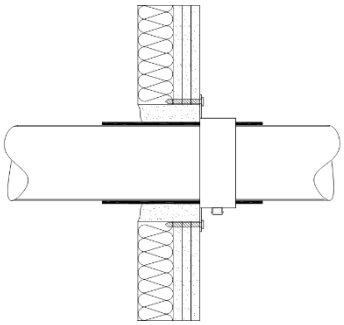
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	----------
40	2,0	----------
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	EI 90-U/U E 90-U/U
125	4,2	----------
160	5,2	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-17**

Silent-PP



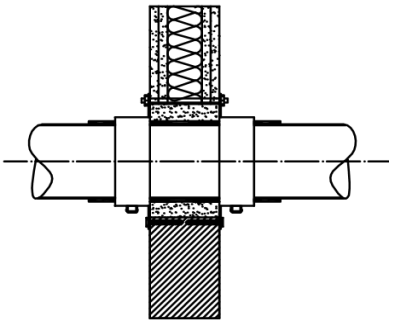
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in shaft walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed outside the shaft to the surface of the shaft wall		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	----------
40	2,0	----------
50	2,0	EI 90-U/U E 90-U/U
75	2,6	
90	3,1	
110	3,6	
125	4,2	----------
160	5,2	----------

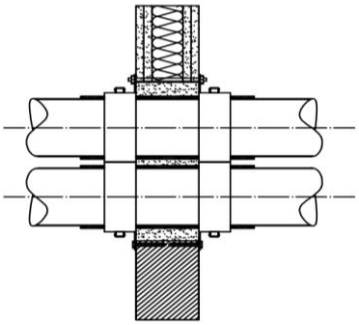
Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-18

Silent-db20

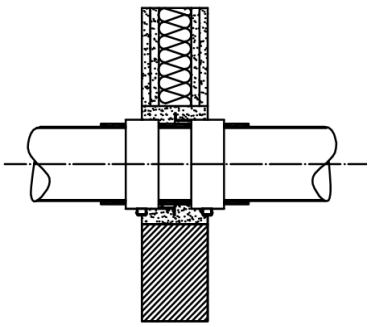


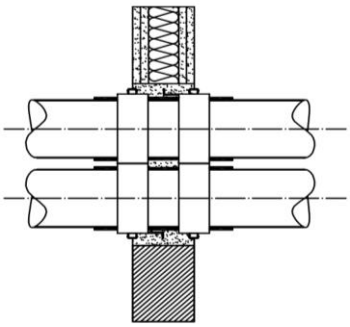


Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
56	3,2	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
63	3,2		
75	3,6		
90	5,5		
110	6,0		
135	6,0		
160	7,0		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-19**

Silent-db20

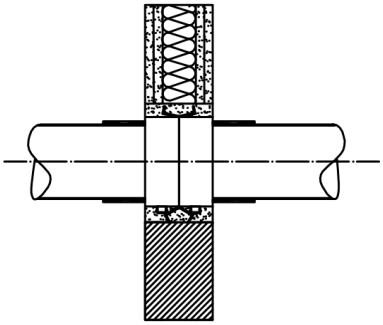


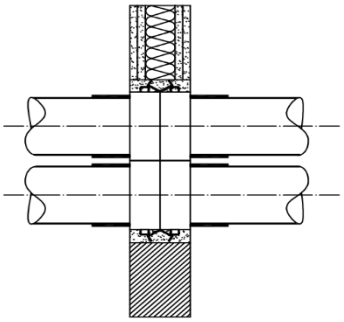


Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
56	3,2	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
63	3,2		
75	3,6		
90	5,5		
110	6,0		
135	6,0		
160	7,0		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-20**

Silent-db20





Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on both sides flushed within the separating element

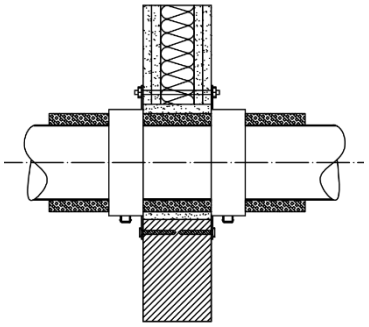
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
56	3,2	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
63	3,2		
75	3,6		
90	5,5		
110	6,0		
135	6,0	----------	----------
160	7,0	EI 90-U/U E 90-U/U	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-21

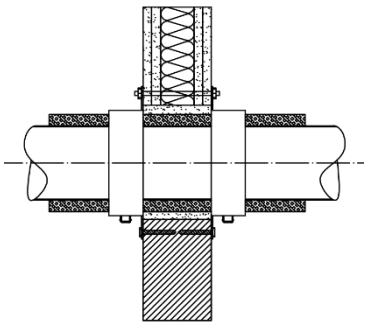
Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
56	3,2	----------	----------	----------
63	3,2	----------	----------	----------
75	3,6	17	≥ 500	EI 90-U/U E 90-U/U
90	5,5	17	≥ 500	
110	6,0	17	≥ 500	
135	6,0	17	≥ 500	
160	7,0	17	≥ 500	

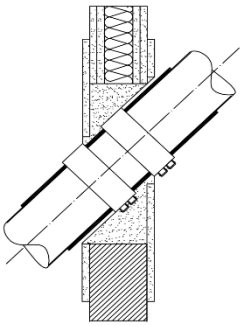
Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-22**

Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
56	3,2	14	≥ 500	EI 90-U/U E 90-U/U
63	3,2	14	≥ 500	
75	3,6	14	≥ 500	
90	5,5	14,5	≥ 500	
110	6,0	15 to 18	≥ 500	
135	6,0	15,5 to 24	≥ 500	
160	7,0	16 to 25	≥ 500	

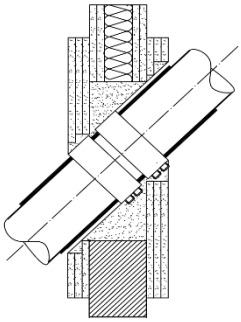
Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	----------
110	6,0	----------
135	6,0	EI 90-U/U E 90-U/U
160	7,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-24**

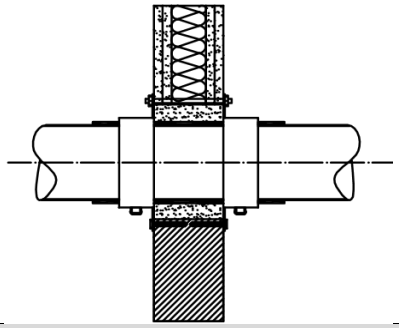
Silent-db20

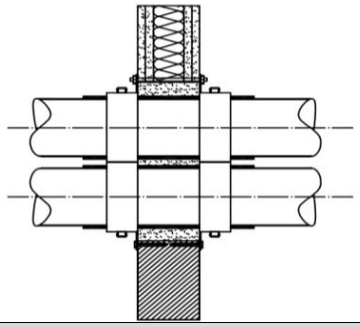


Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	----------
110	6,0	EI 90-U/U E 90-U/U
135	6,0	----------
160	7,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-25**

Silent-Pro





Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on both sides to the surface of the separating element

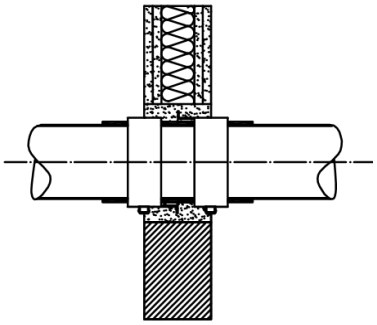
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0		

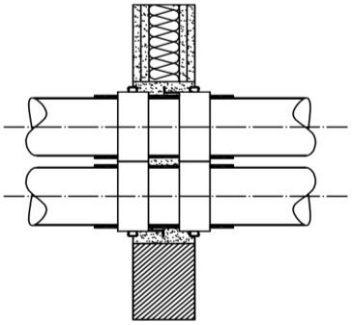
Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-26

Silent-Pro





Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on both sides partially within the separating element

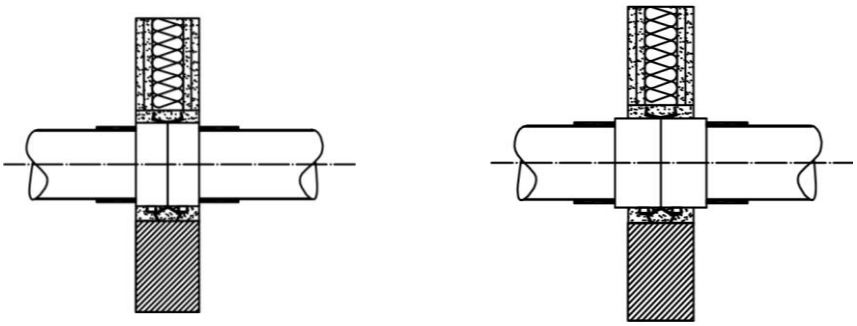
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0		

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-27

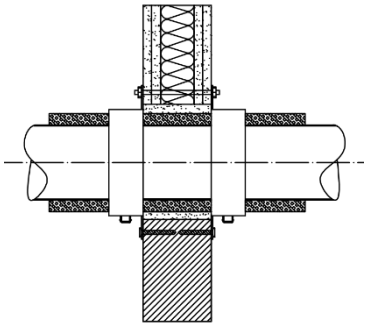
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-28**

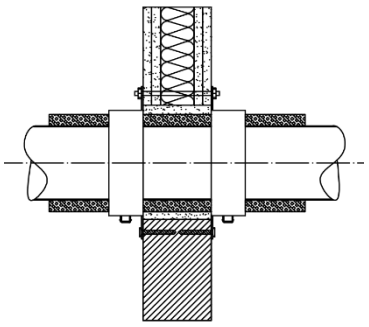
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
50	3,0	17	≥ 500	EI 90-U/U E 90-U/U
75	3,8	17	≥ 500	
90	4,3	17	≥ 500	
110	4,5	17	≥ 500	
125	5,0	17	≥ 500	
160	6,0	17	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-29**

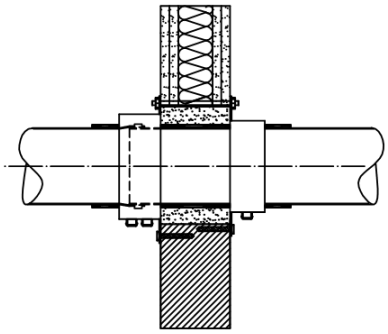
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
50	3,0	13,5	≥ 500	EI 90-U/U E 90-U/U
75	3,8	14	≥ 500	
90	4,3	14,5	≥ 500	
110	4,5	15 to 18	≥ 500	
125	5,0	15,5 to 23,5	≥ 500	
160	6,0	16 to 25	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-30**

Silent-Pro



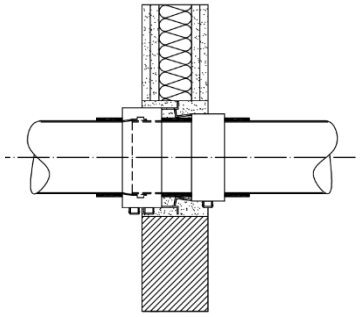
Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides to the surface of the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-31

Silent-Pro



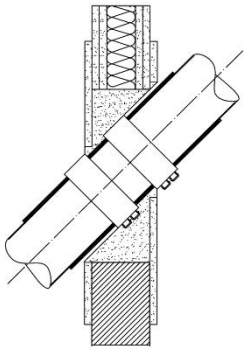
Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-32

Silent-Pro



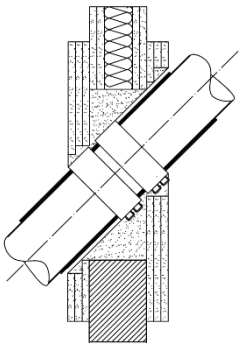
Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX D-33

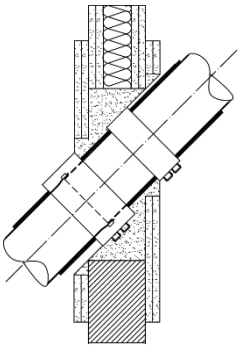
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on both sides flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-34**

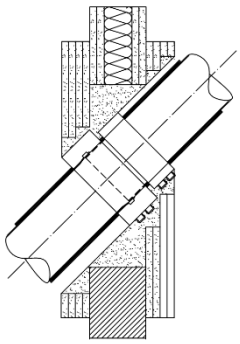
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	----------
75	3,8	EI 90-U/U E 90-U/U
90	4,3	----------
110	4,5	EI 90-U/U E 90-U/U
125	5,0	----------
160	6,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-35**

Silent-Pro

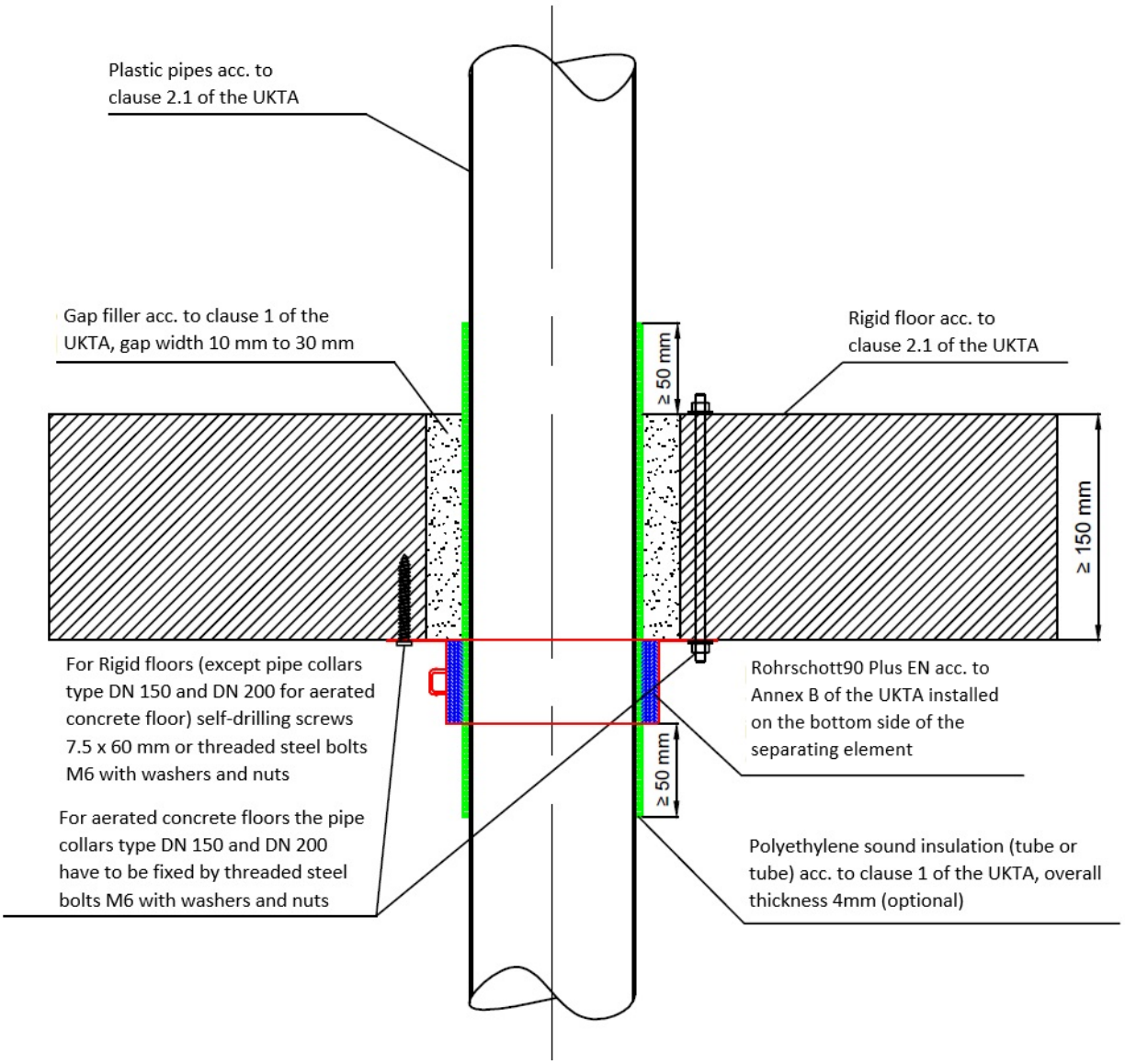


Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on both sides flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	----------
75	3,8	EI 90-U/U E 90-U/U
90	4,3	----------
110	4,5	EI 90-U/U E 90-U/U
125	5,0	----------
160	6,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX D-36**

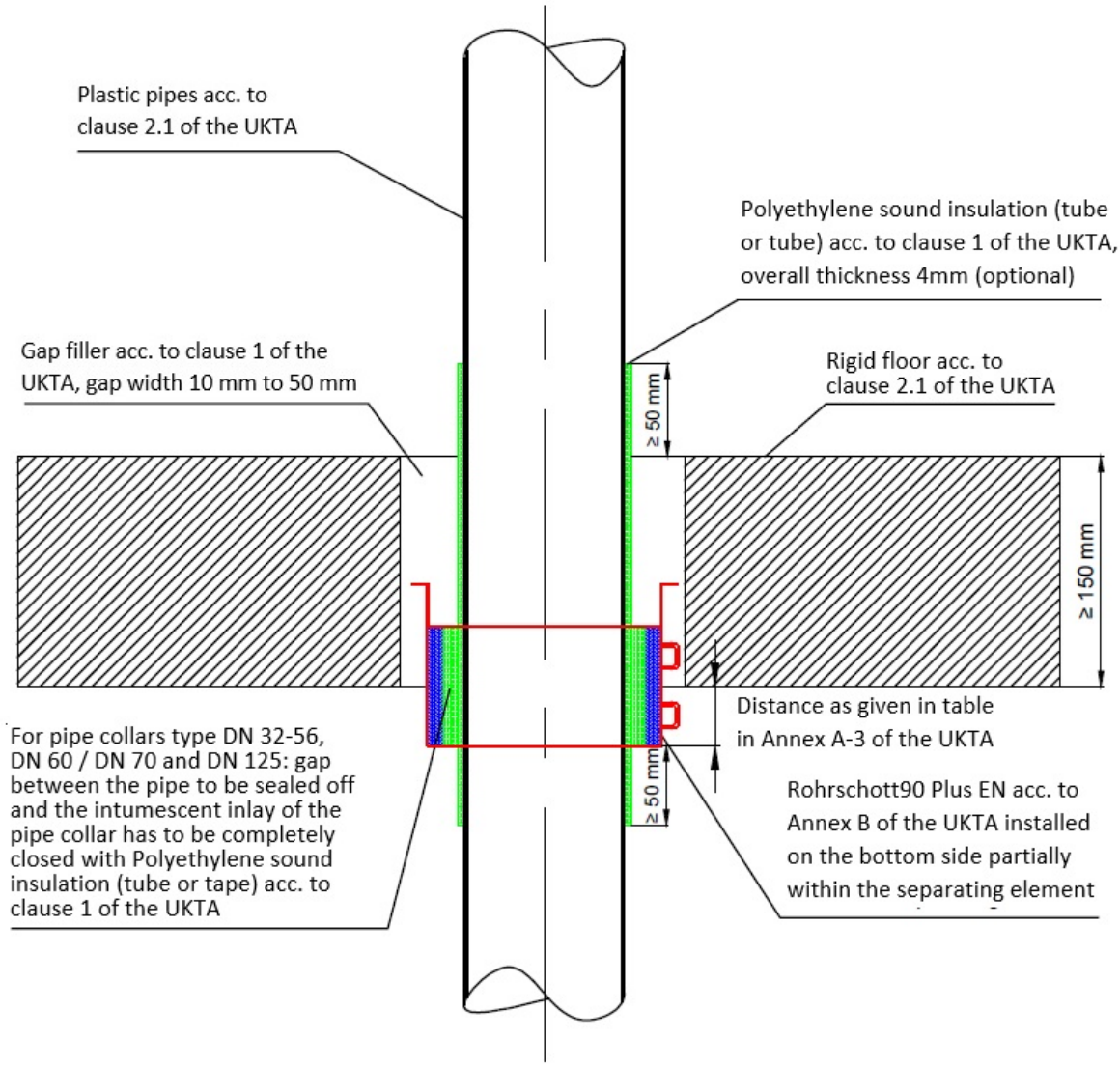
ANNEX E – Installation in rigid floor

Plastic pipes acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



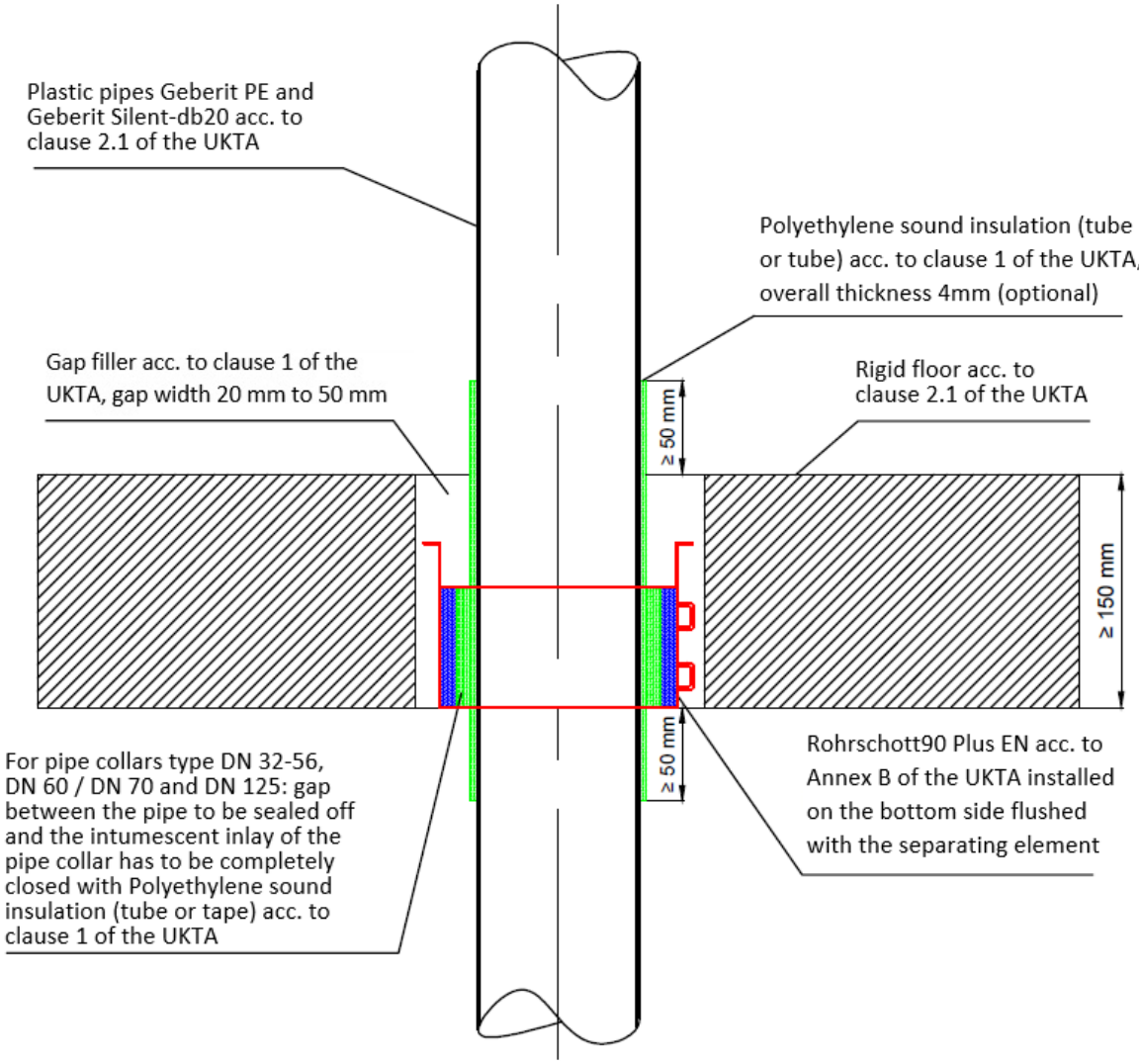
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-1**

Plastic pipes acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element – Installation drawing – sectional view



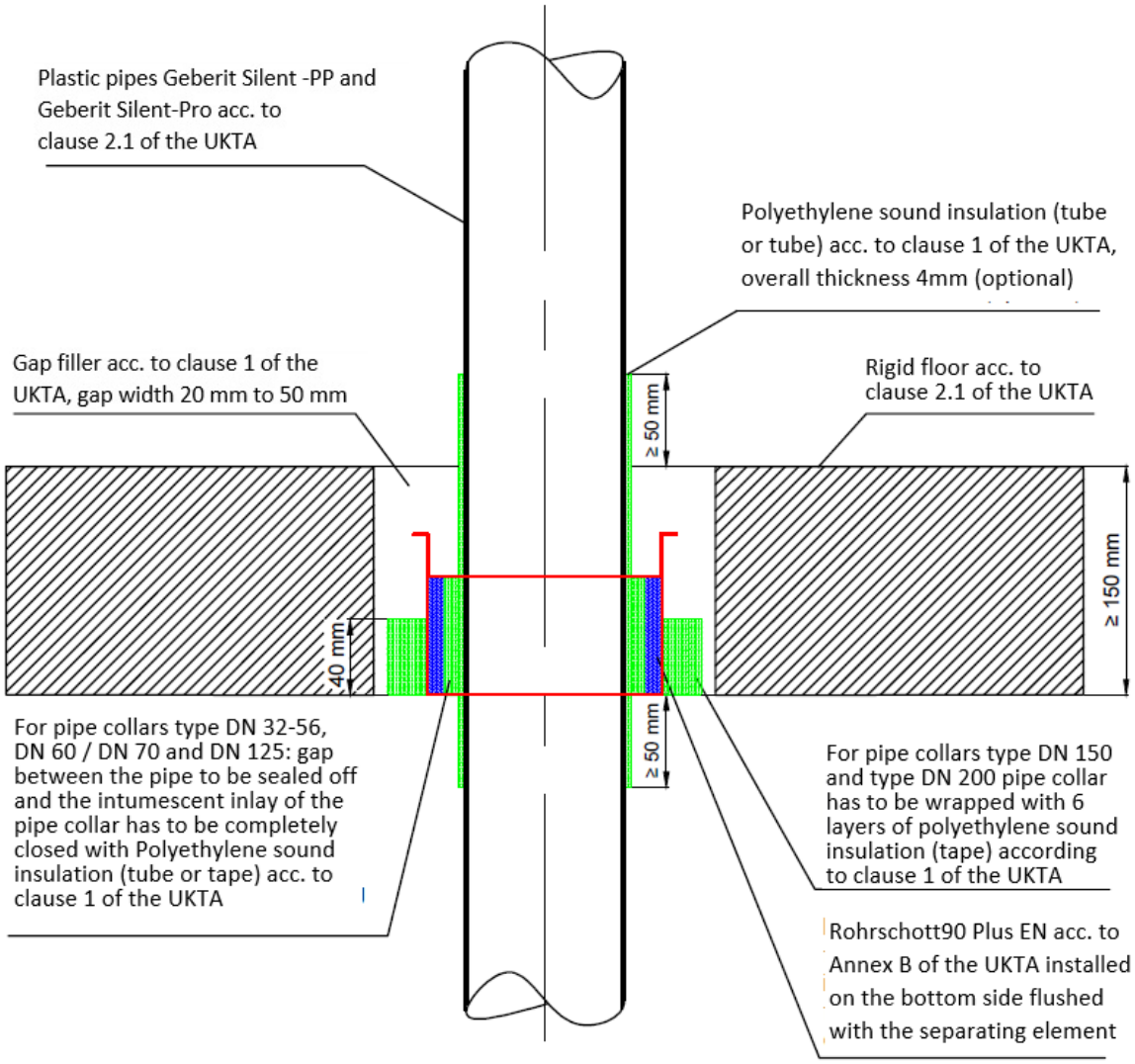
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-2**

Plastic pipes Geberit PE and Geberit Silent-db20 acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element – Installation drawing – sectional view



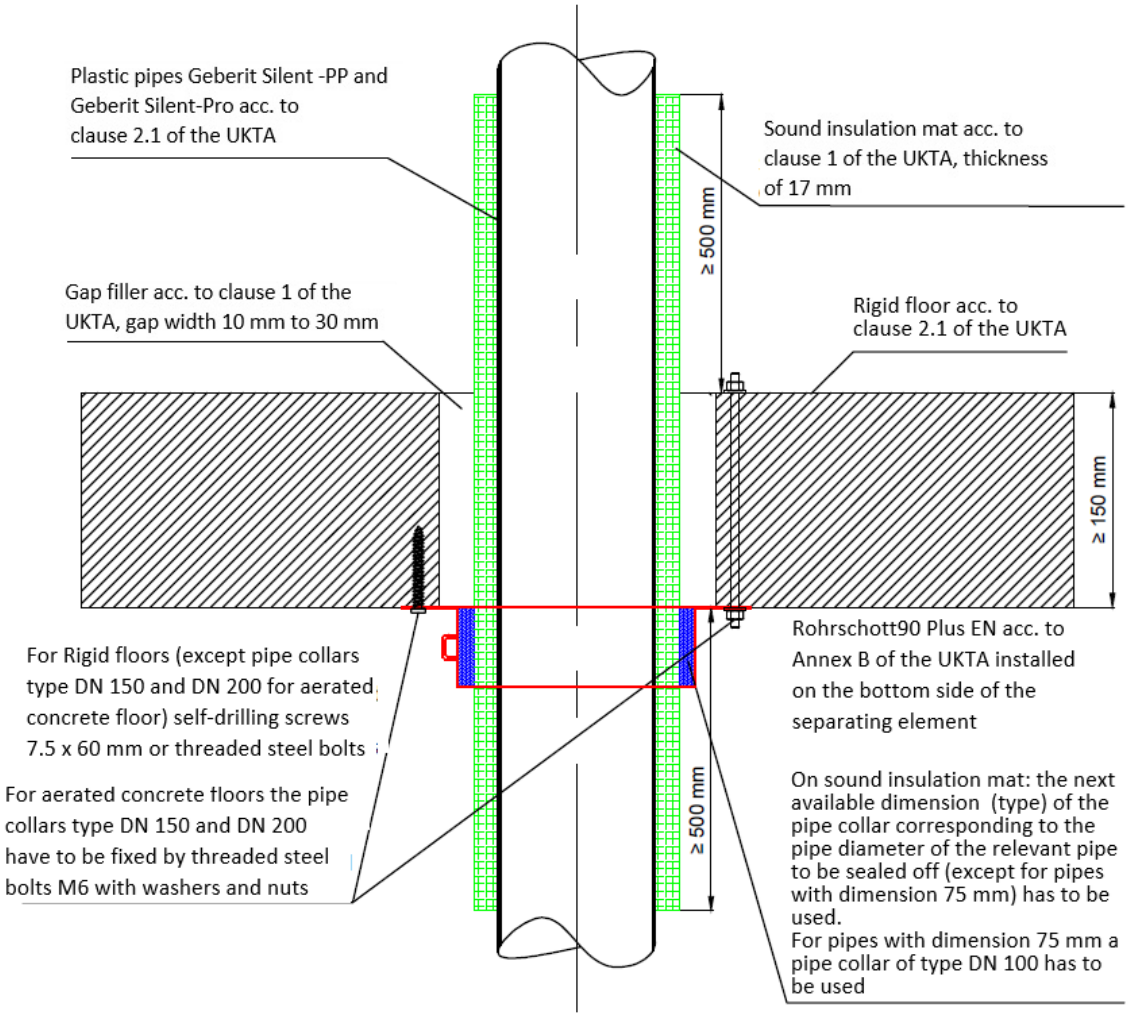
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-3**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element – Installation drawing – sectional view



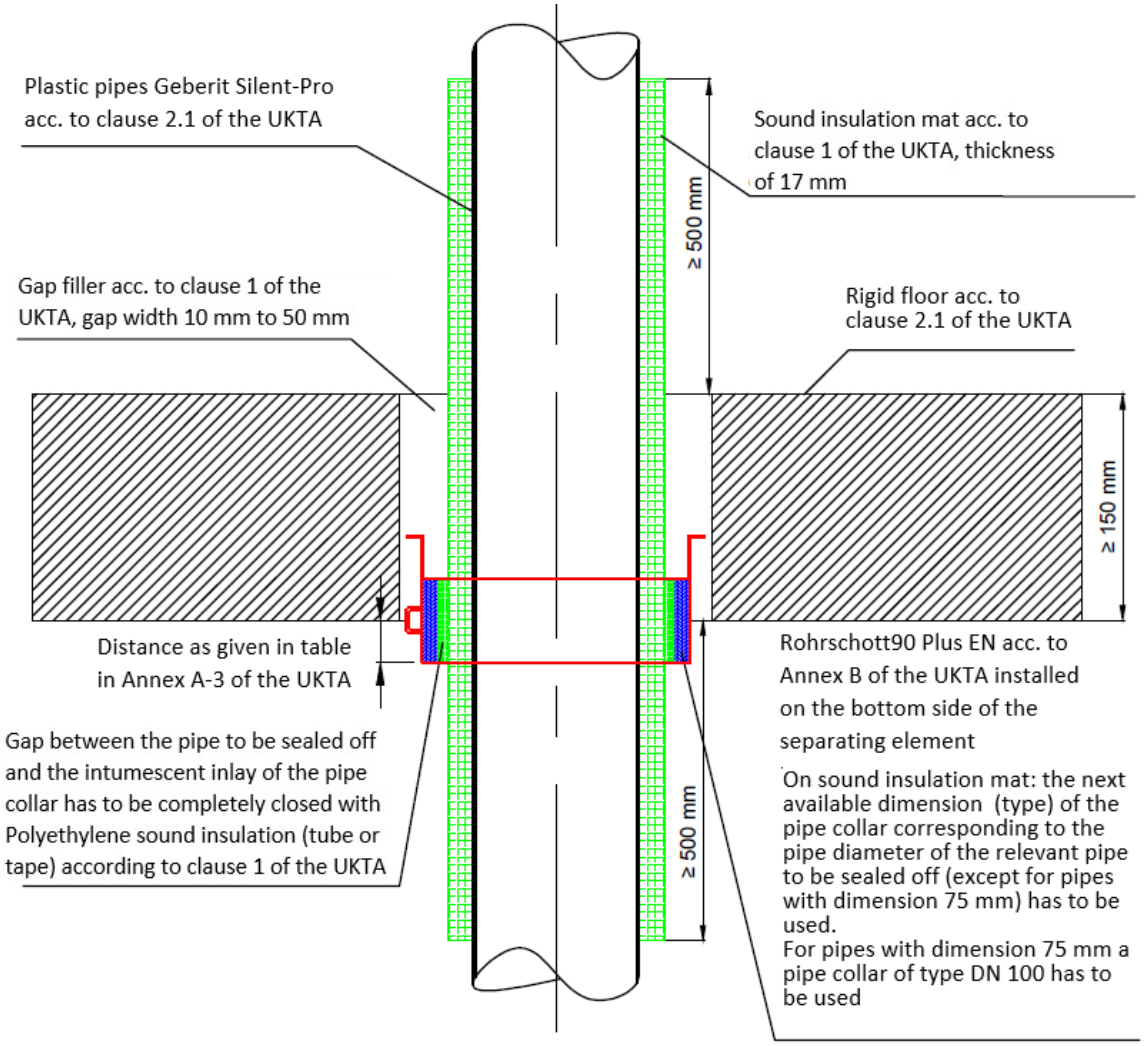
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-4**

Plastic pipes Geberit Silent-db20 and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



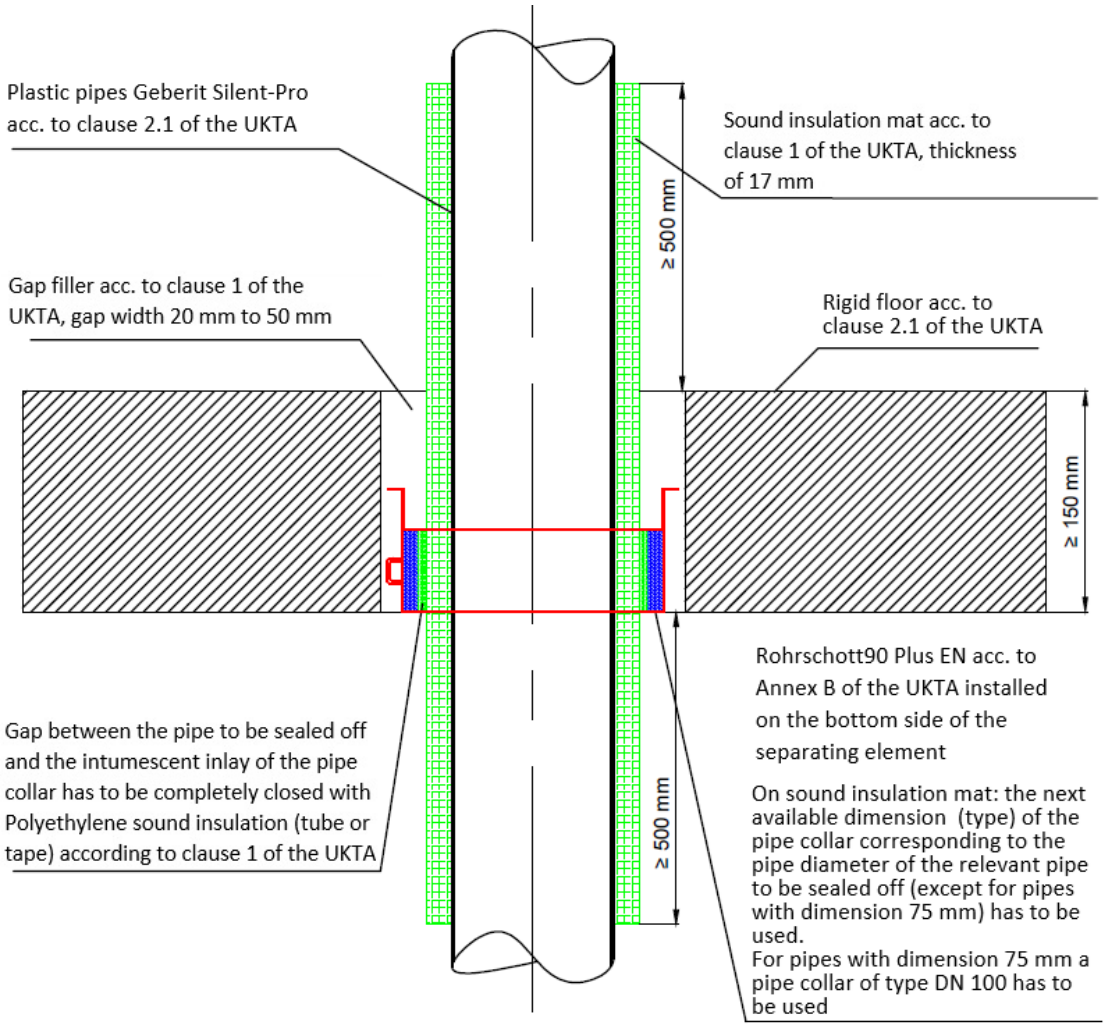
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-5**

Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element – Installation drawing – sectional view



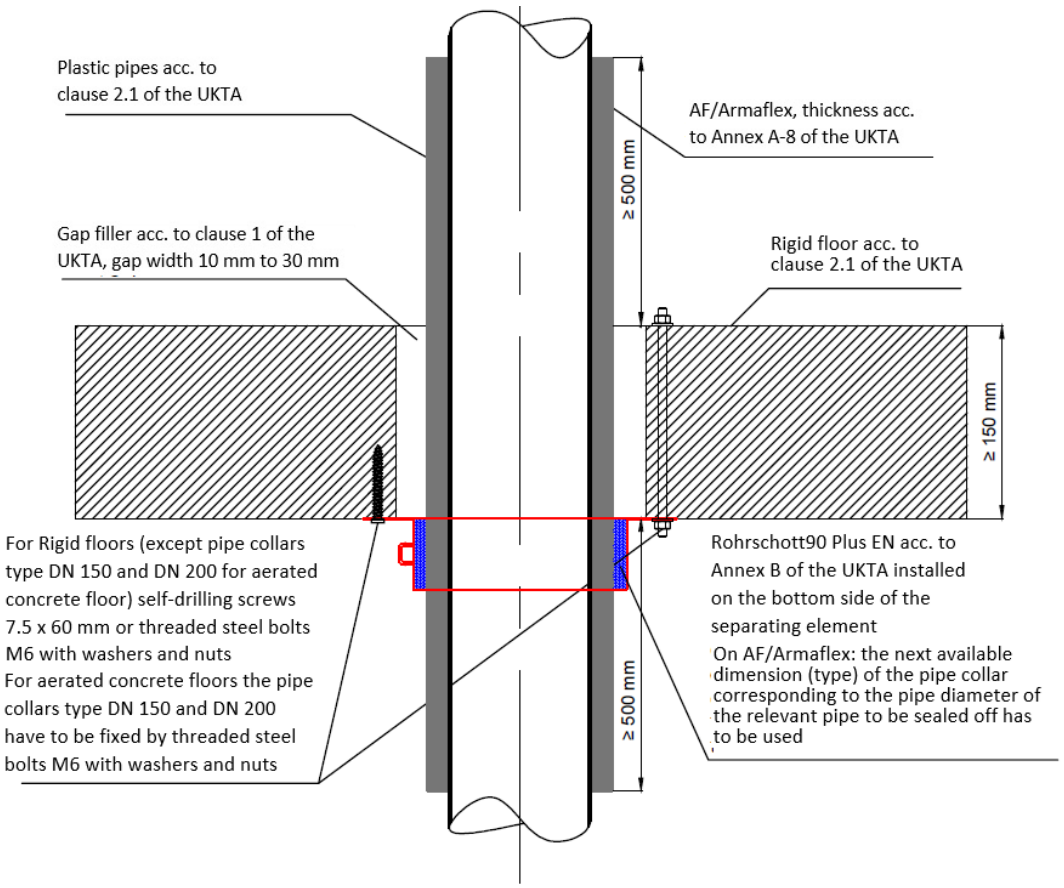
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-6**

Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element – Installation drawing – sectional view



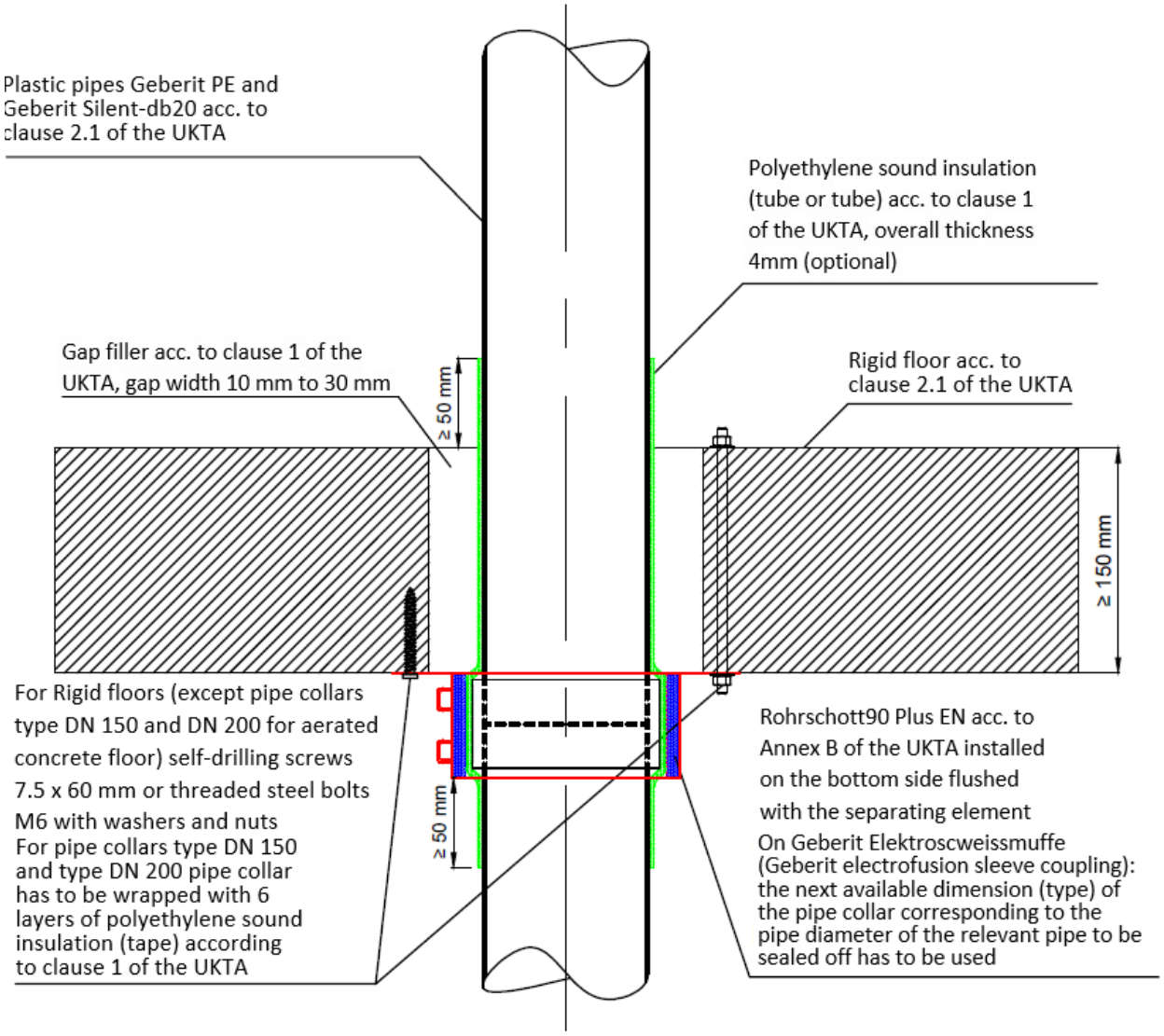
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-7**

Plastic pipes acc. to cl. 2.1 of the UKTA with "AF/Armaflex" – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



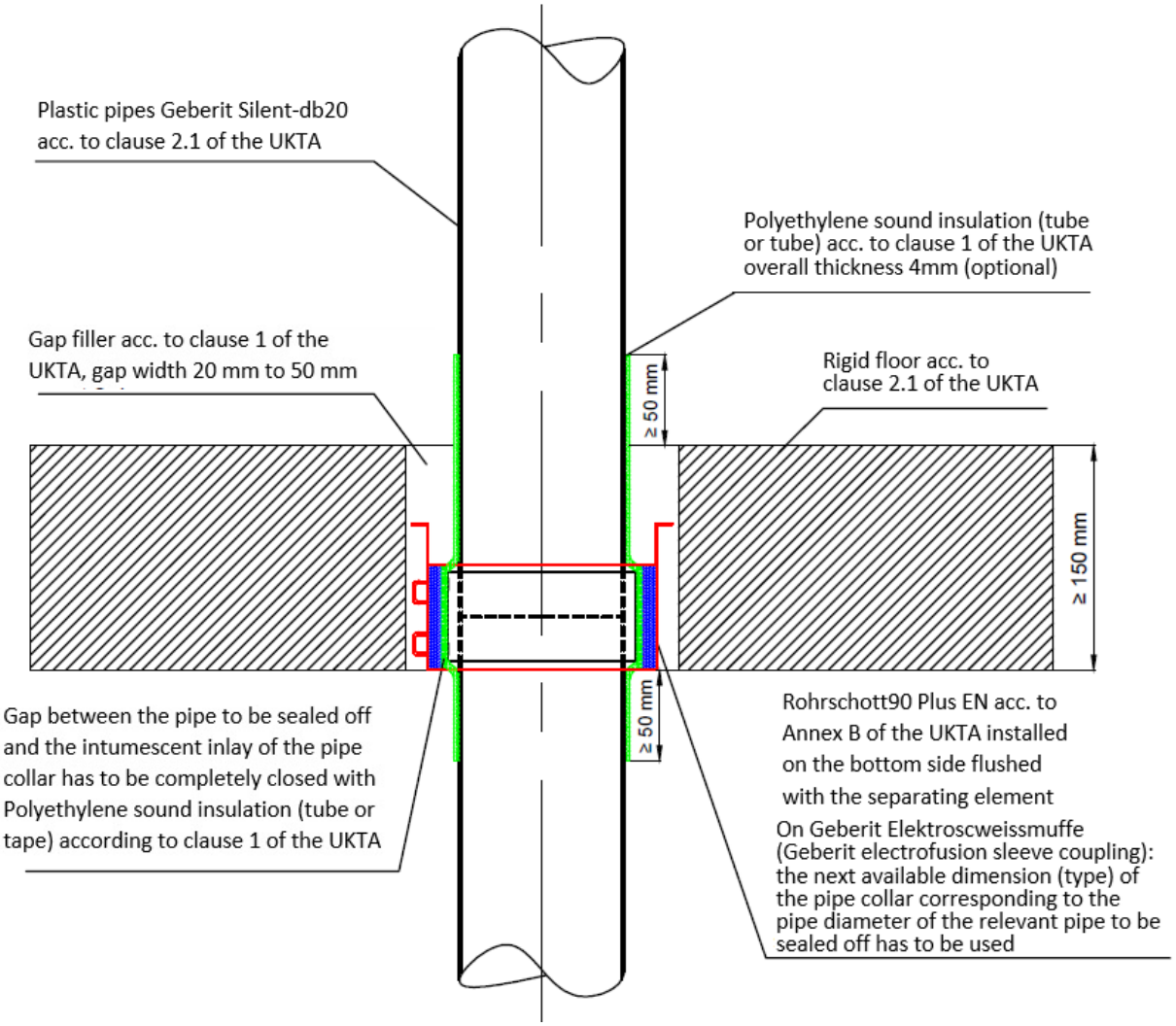
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-8**

Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on Geberit Elektroschweißmuffe (Geberit electrofusion sleeve coupling) on the bottom side to the surface of the separating element – Installation drawing – sectional view



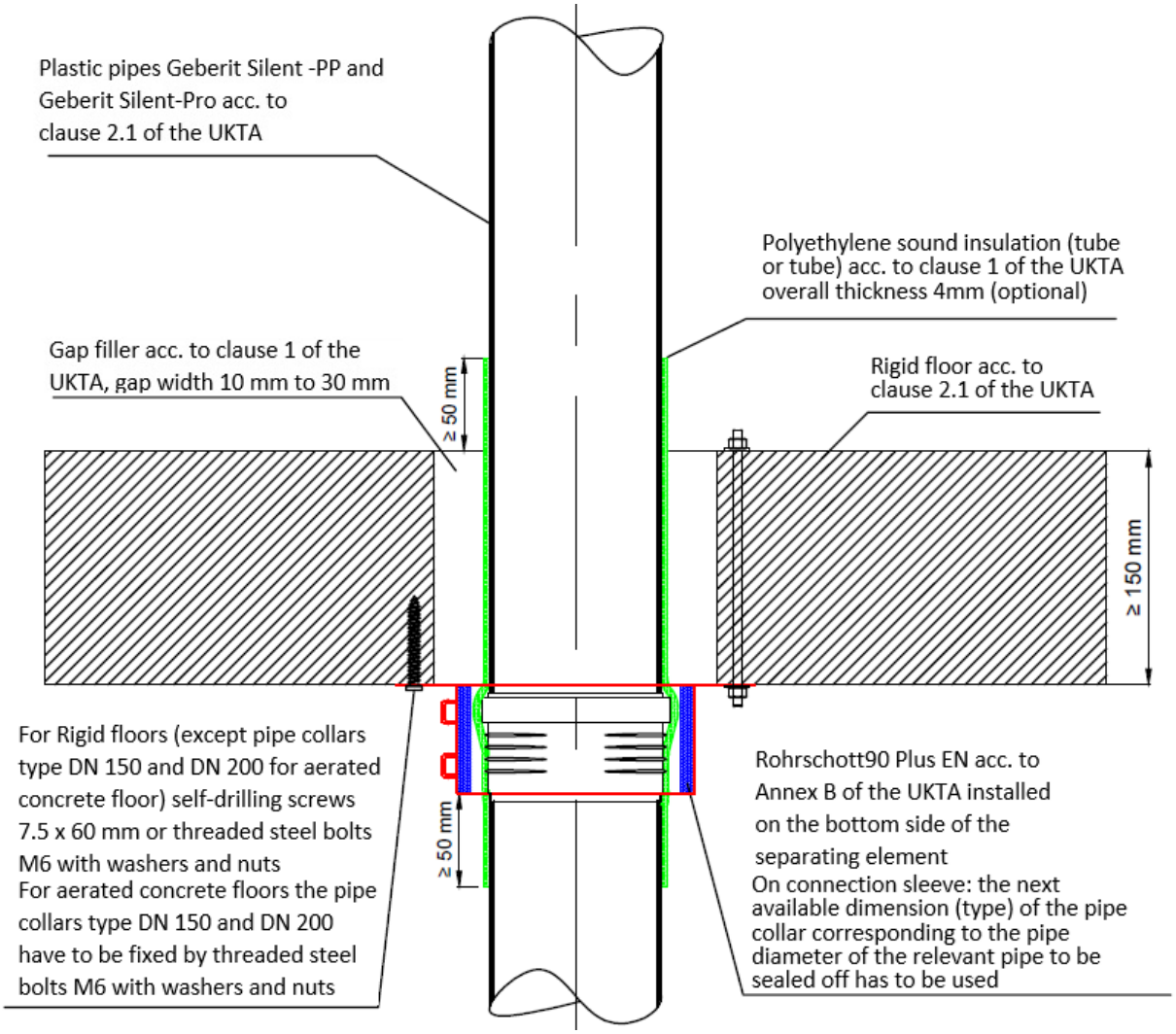
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-9**

Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on Geberit Elektroschweißmuffe (Geberit electrofusion sleeve coupling) on the bottom side flushed within the separating element – Installation drawing – sectional view



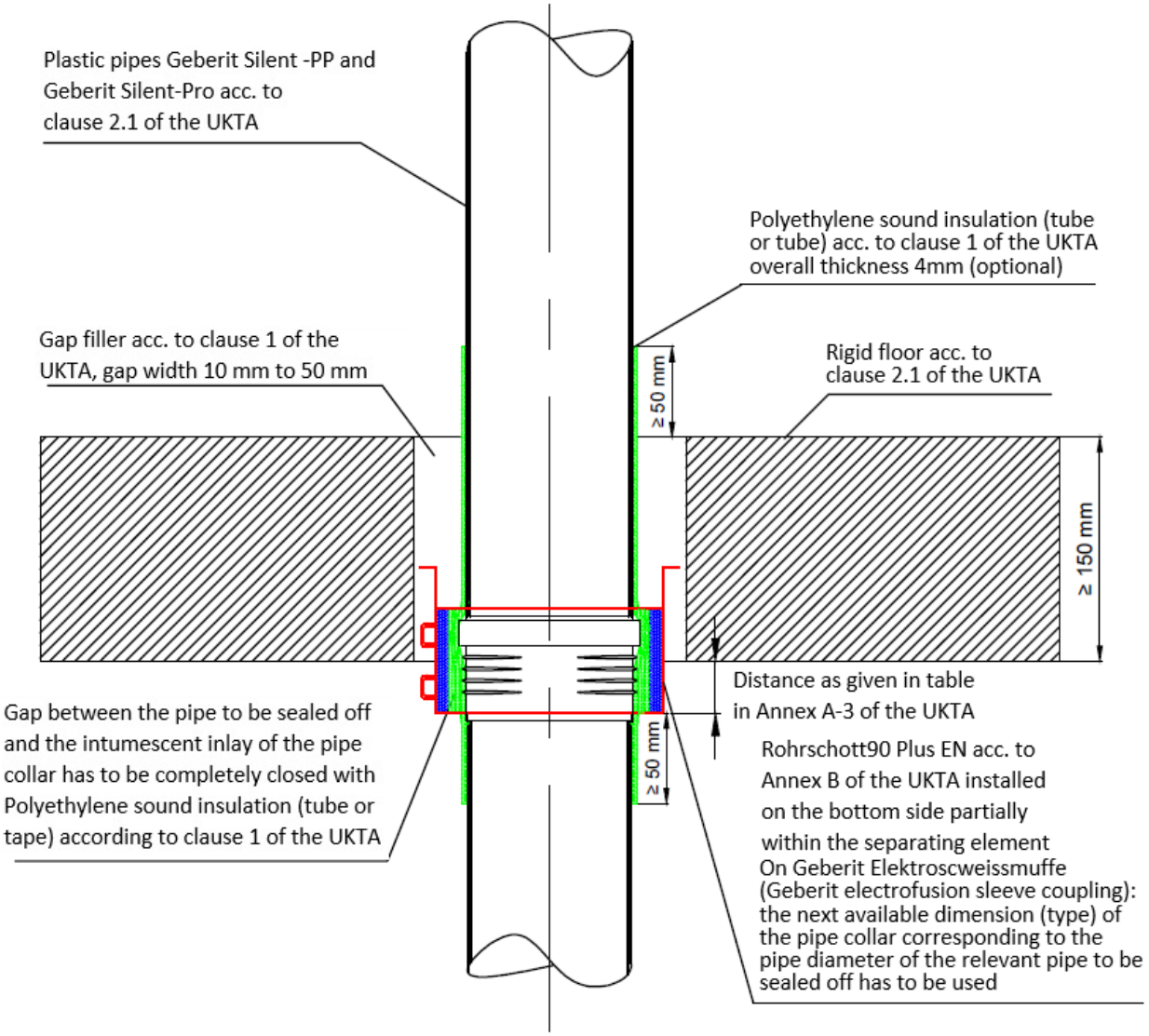
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-10**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on the bottom side to the surface of the separating element – Installation drawing – sectional view



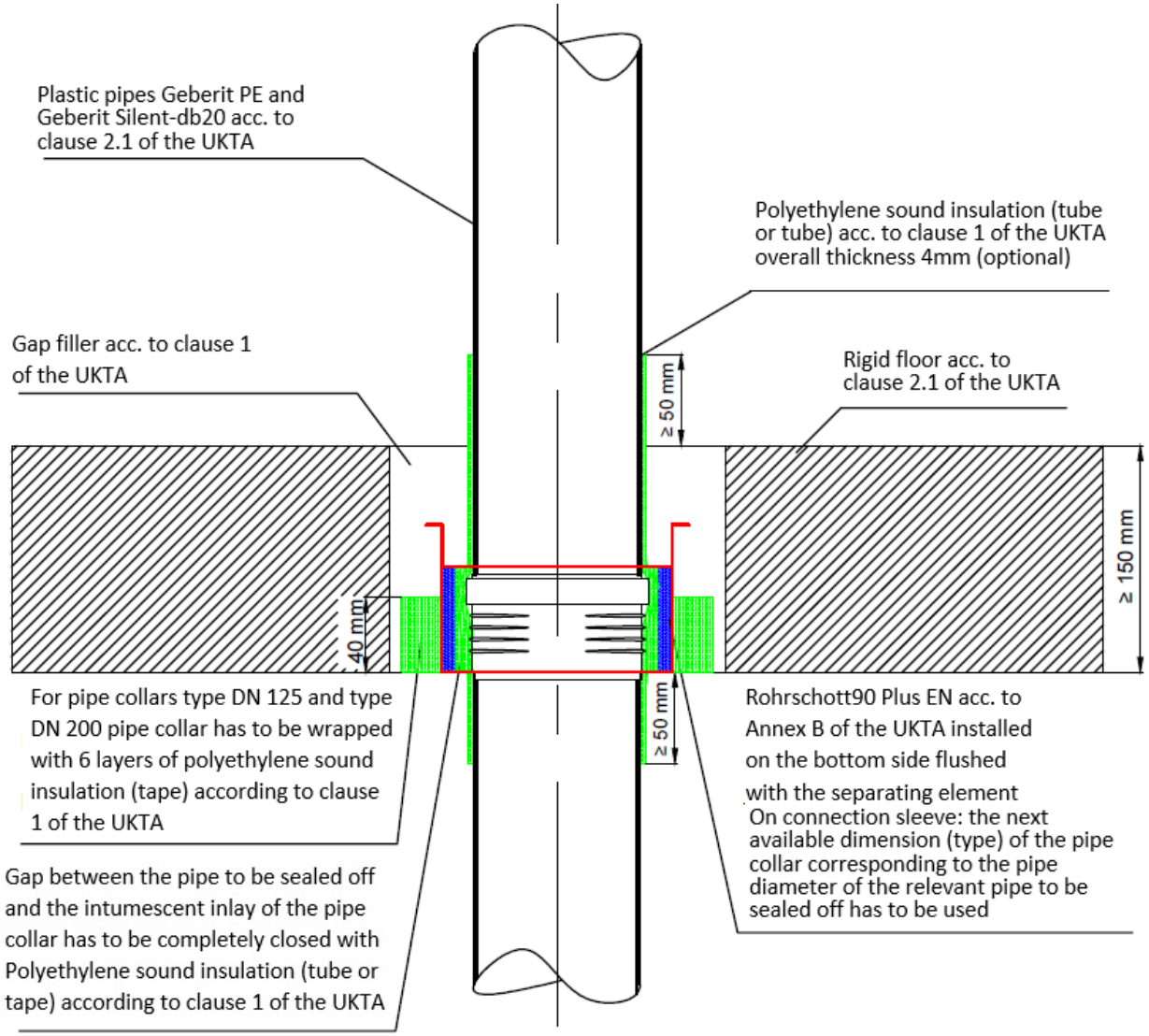
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-11**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on the bottom side partially within the separating element – Installation drawing – sectional view



Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-12**

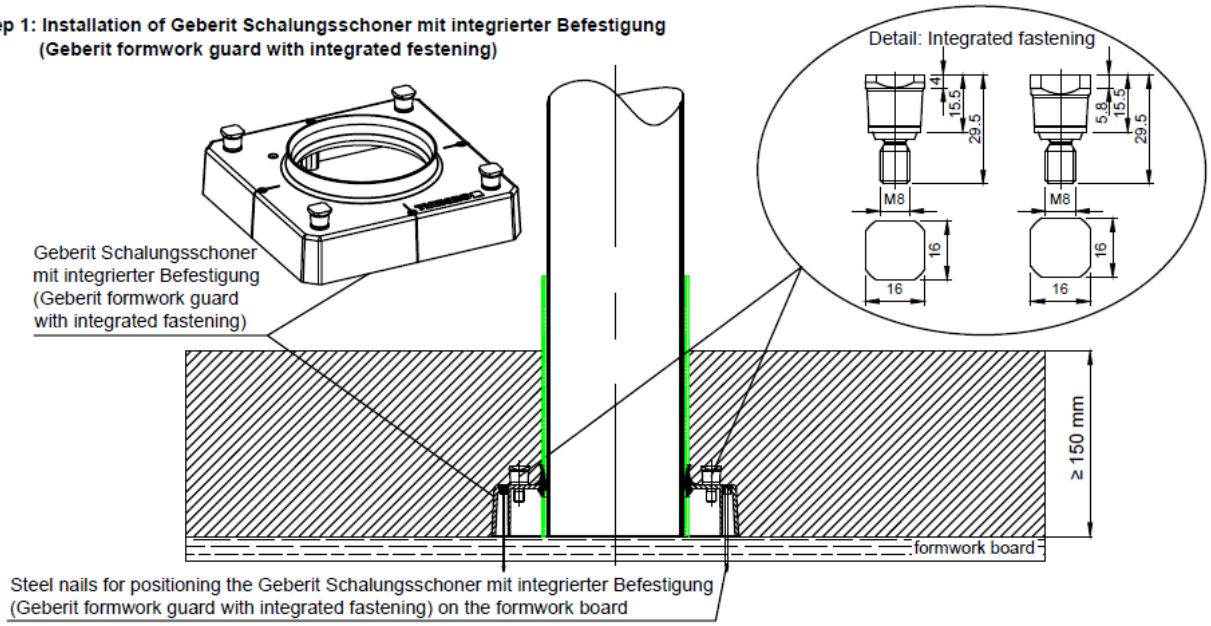
Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on the bottom side flushed within the separating element – Installation drawing – sectional view



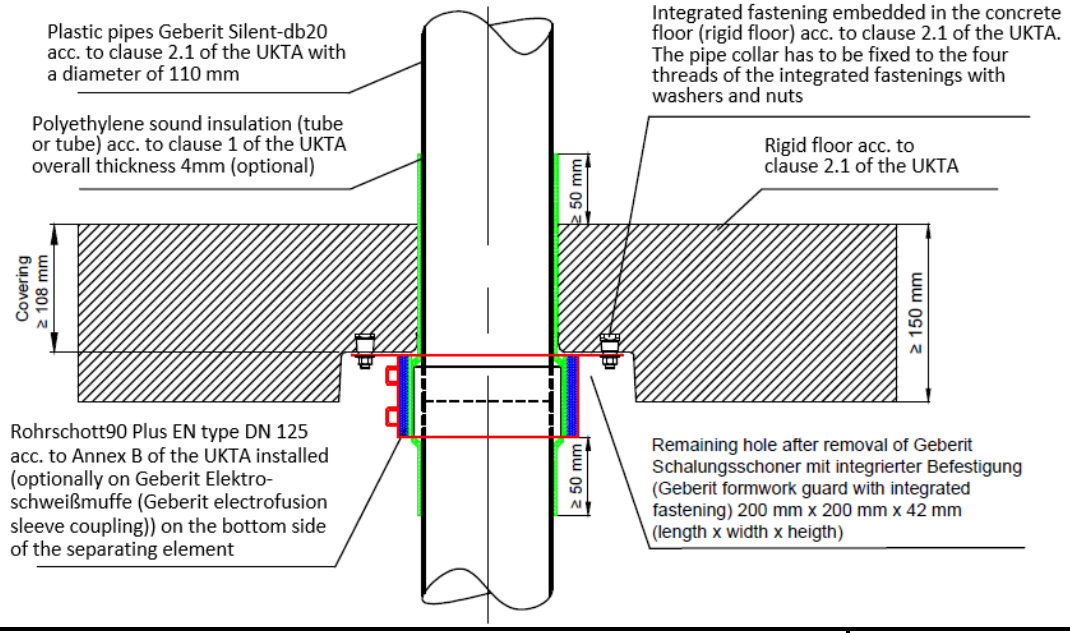
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-13**

Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA – in concrete floors (rigid floors) acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed (optionally on Geberit Elektro-schweißmuffe (Geberit electrofusion sleeve coupling)) on the bottom side to the surface of the separating element and fixed to the integrated fastenings of Geberit Schalungsschoner mit integrierter Befestigung (Geberit formwork guard with integrated fastening) – Installation drawing – sectional view

Step 1: Installation of Geberit Schalungsschoner mit integrierter Befestigung (Geberit formwork guard with integrated festening)

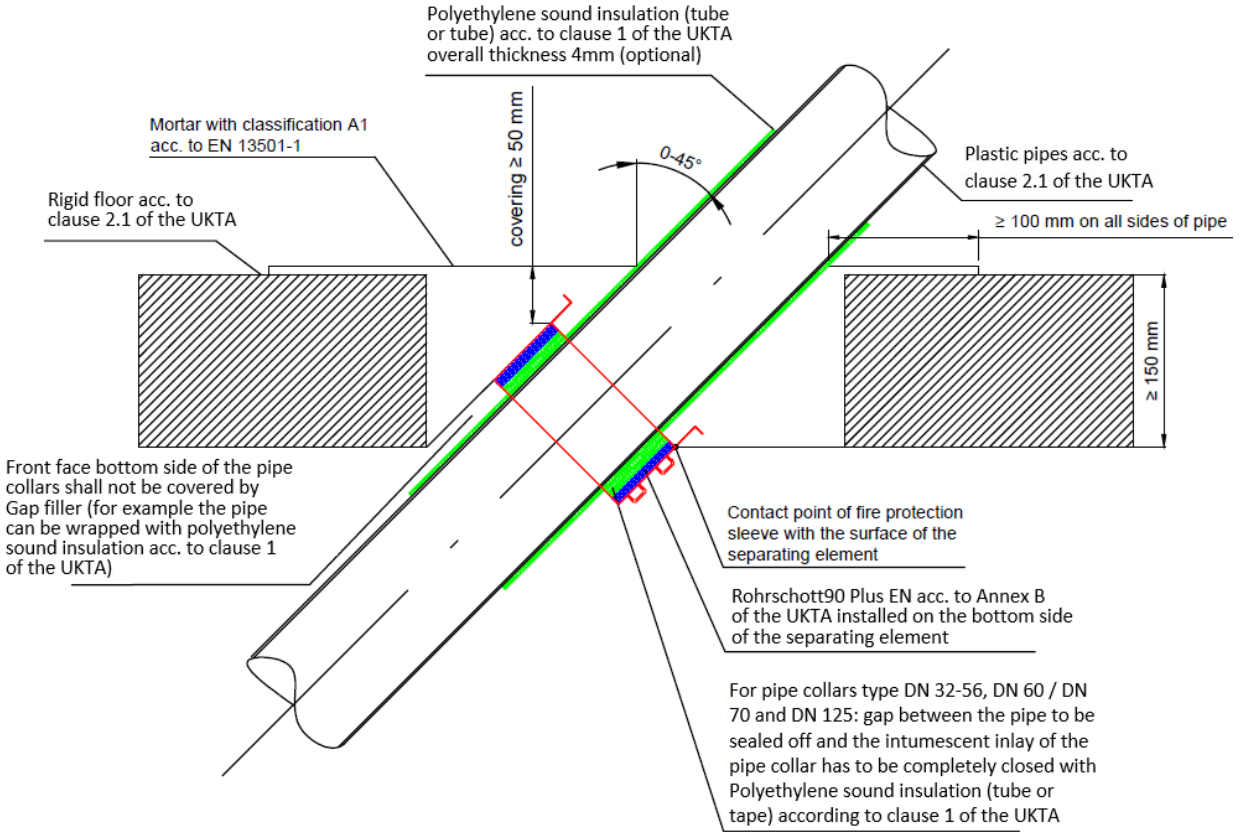


Step 2: Removal of Geberit Schalungsschoner mit integrierter Befestigung (Geberit formwork guard with integrated fastening) and installation of Rohrschott90 Plus EN



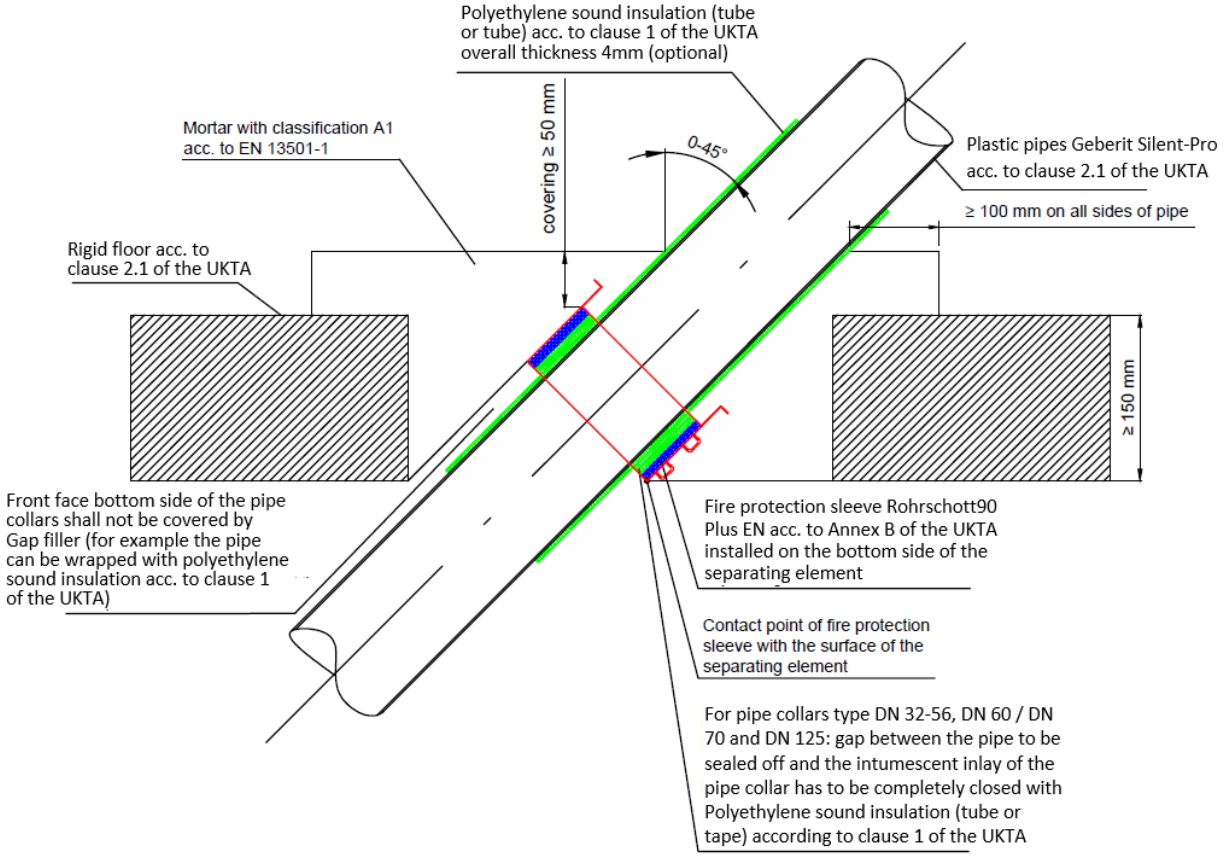
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-14**

Plastic pipes acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element – Installation drawing – sectional view



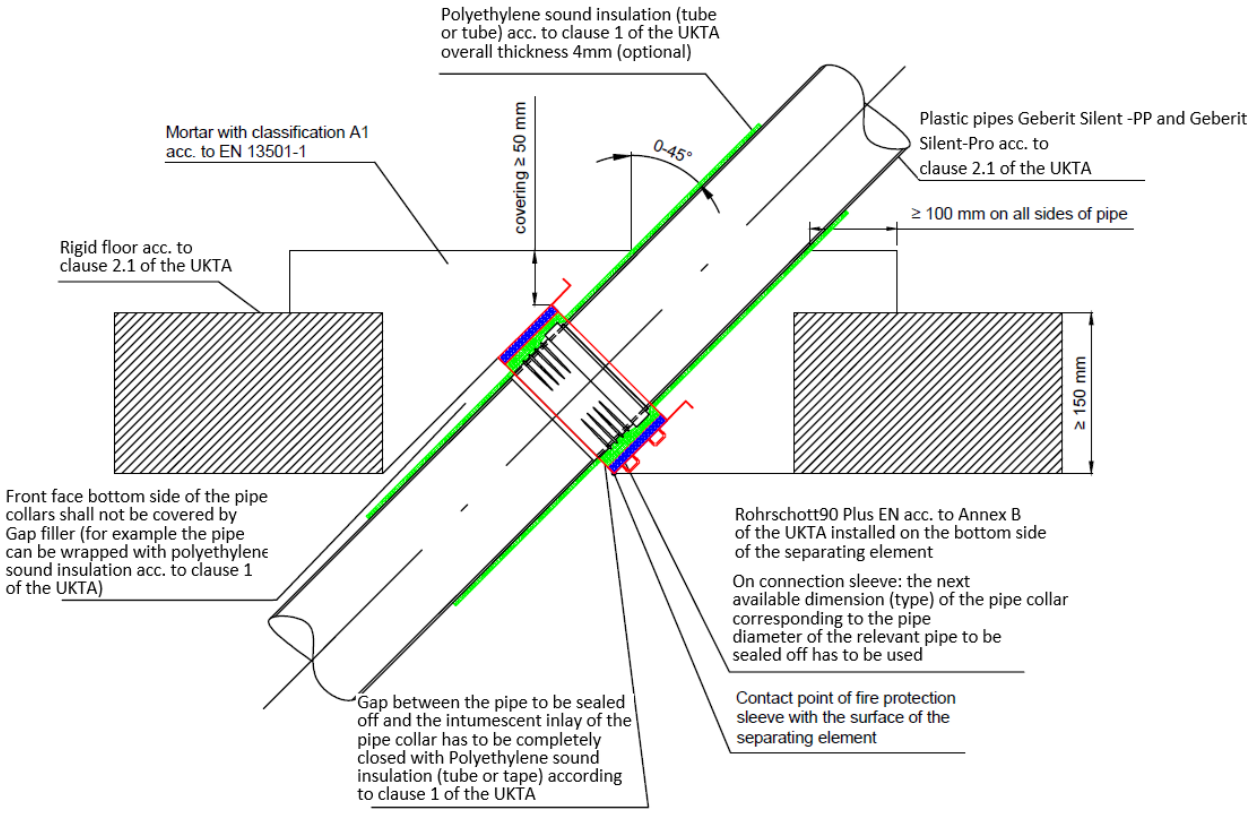
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-15**

Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element – Installation drawing – sectional view



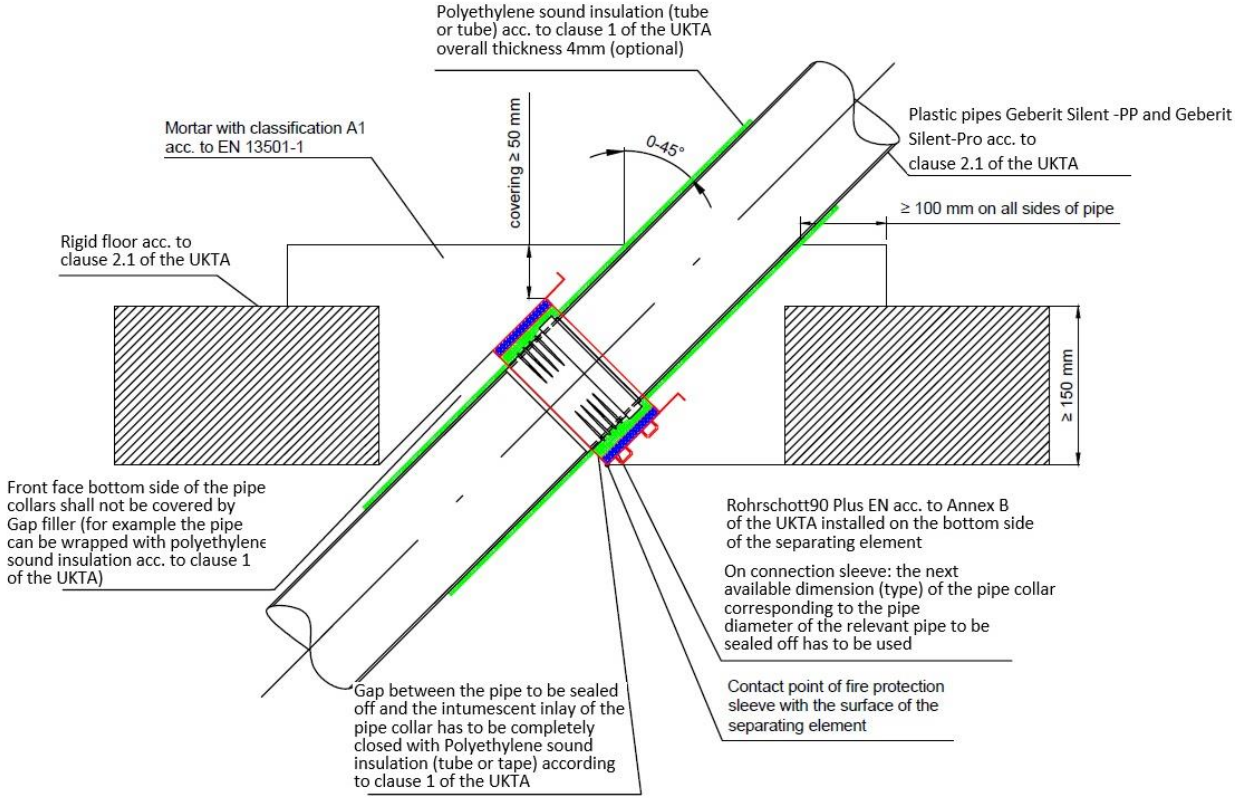
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-16**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on the bottom side partially within the separating element – Installation drawing – sectional view



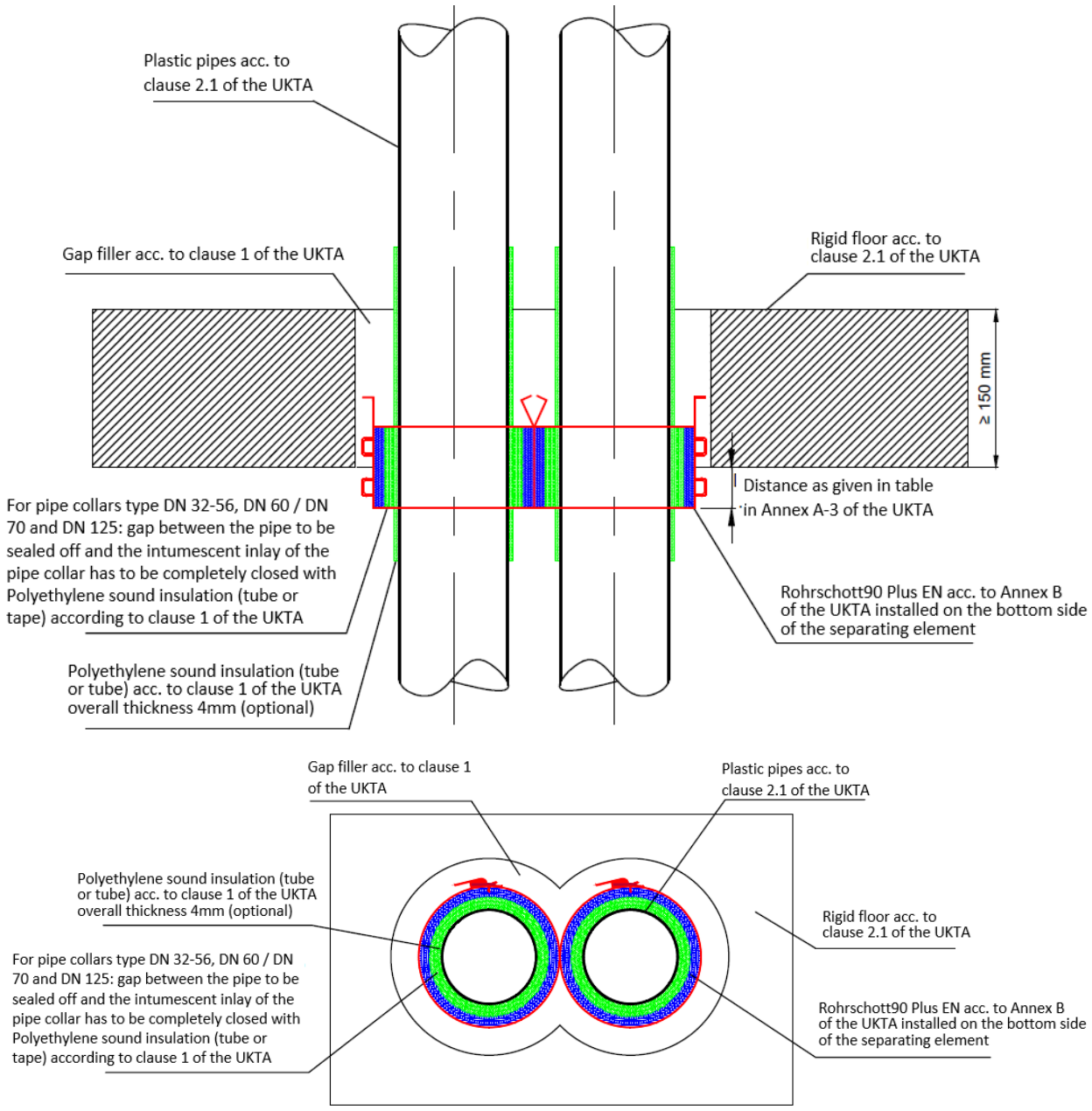
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-17**

Plastic pipes Geberit Silent-PP and Geberit Silent-Pro acc. to cl. 2.1 of the UKTA installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on the bottom side flushed within the separating element – Installation drawing – sectional view



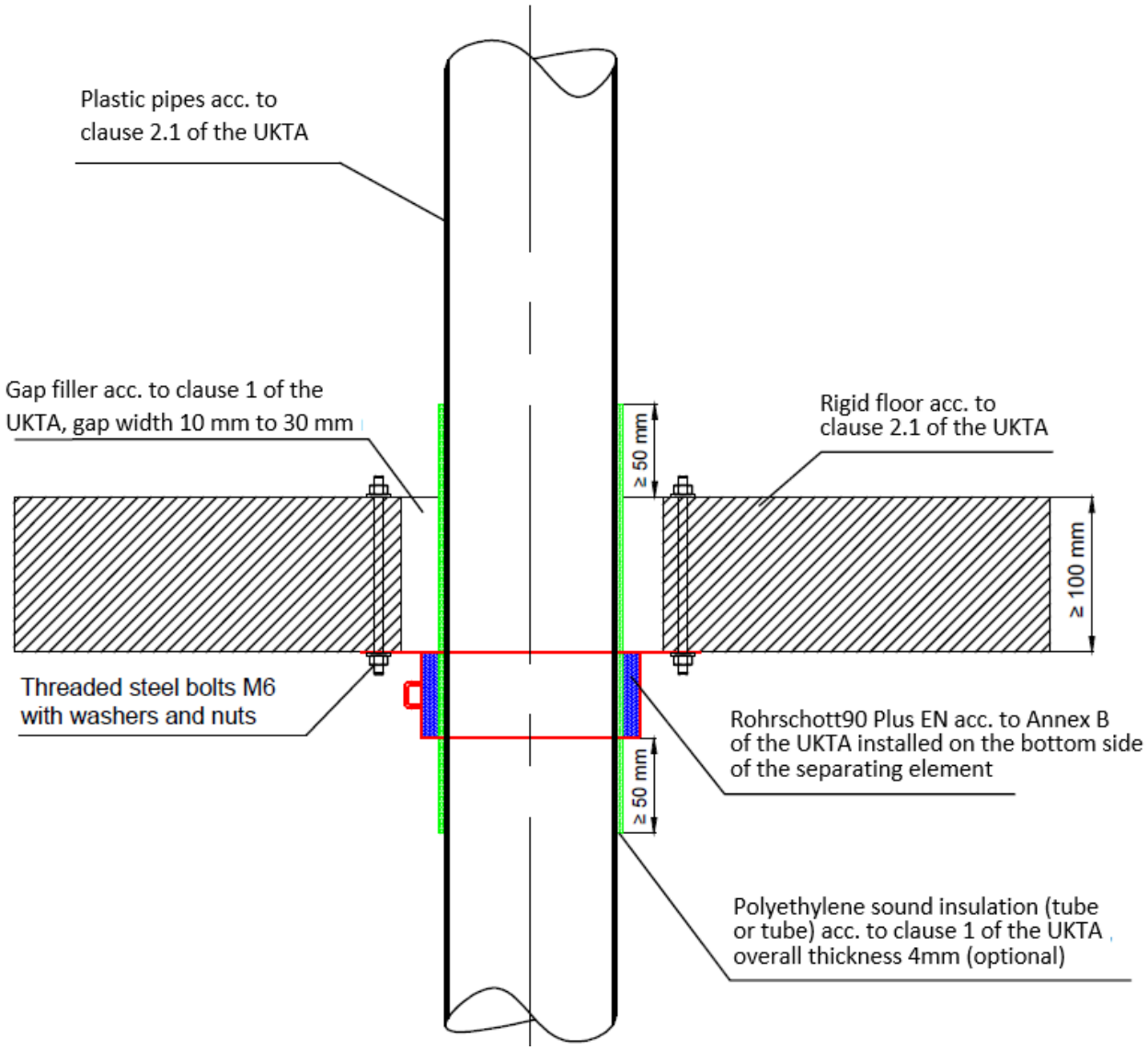
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-18**

Plastic pipes acc. to cl. 2.1 of the UKTA – in in flexible walls and rigid walls acc. to cl. 2.1 of the UKTA – Minimum distance between two pipe collars (0 mm) – Installation drawing – sectional view



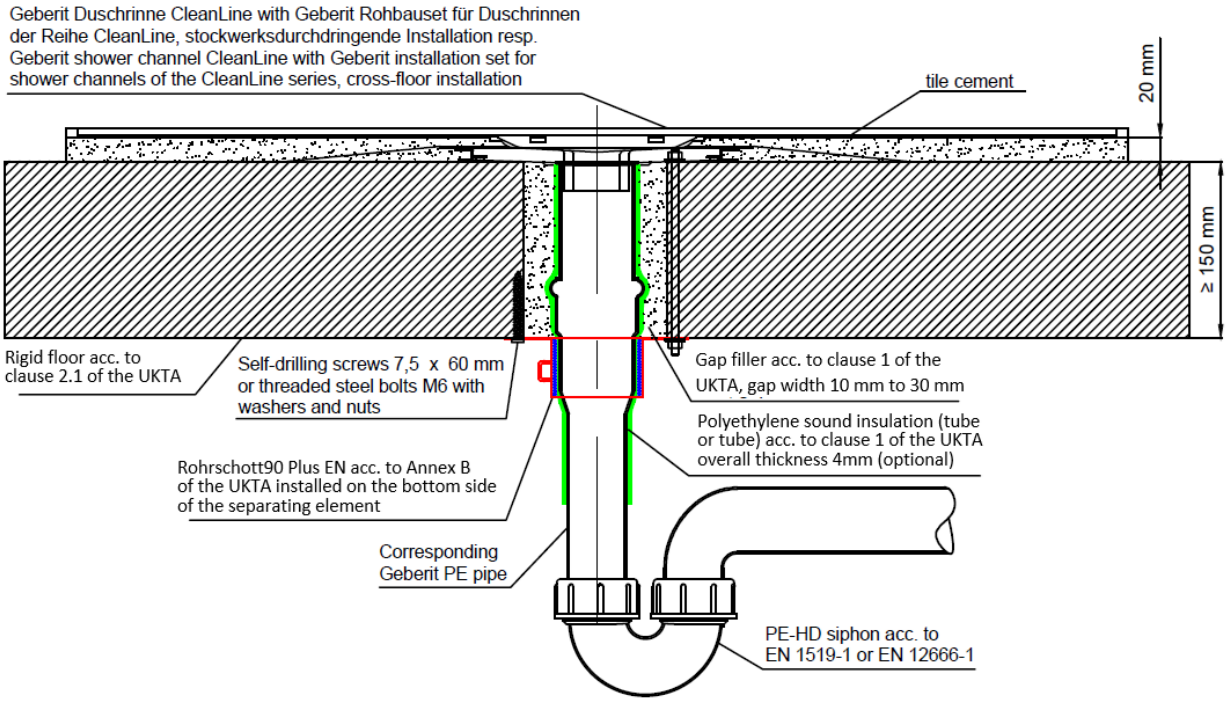
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-19**

Plastic pipes acc. to cl. 2.1 of the UKTA – in rigid floors with a thickness of minimum 100 mm acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



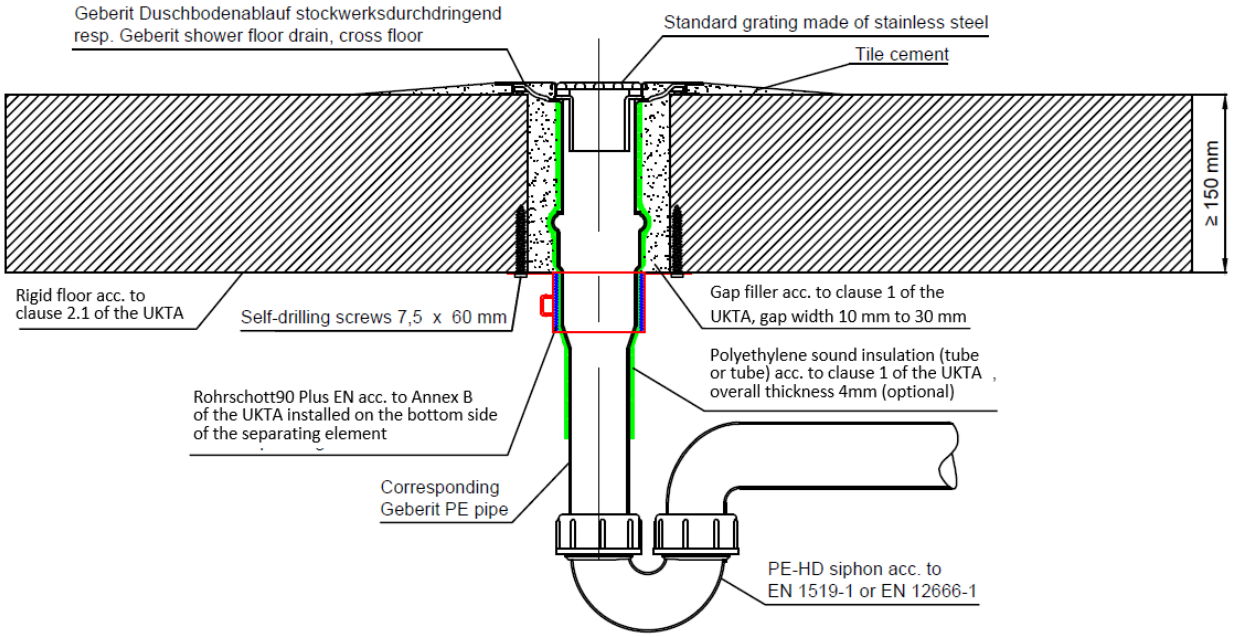
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-20**

Shower floor drain, cross floor "Geberit Duschrinne CleanLine" with "Geberit Rohbauset für Duschrinnen der Reihe CleanLine, stockwerksdurchdringende Installation" resp "Geberit shower channel CleanLine" with "Geberit installation set for shower channels of the CleanLine series, cross-floor installation" (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



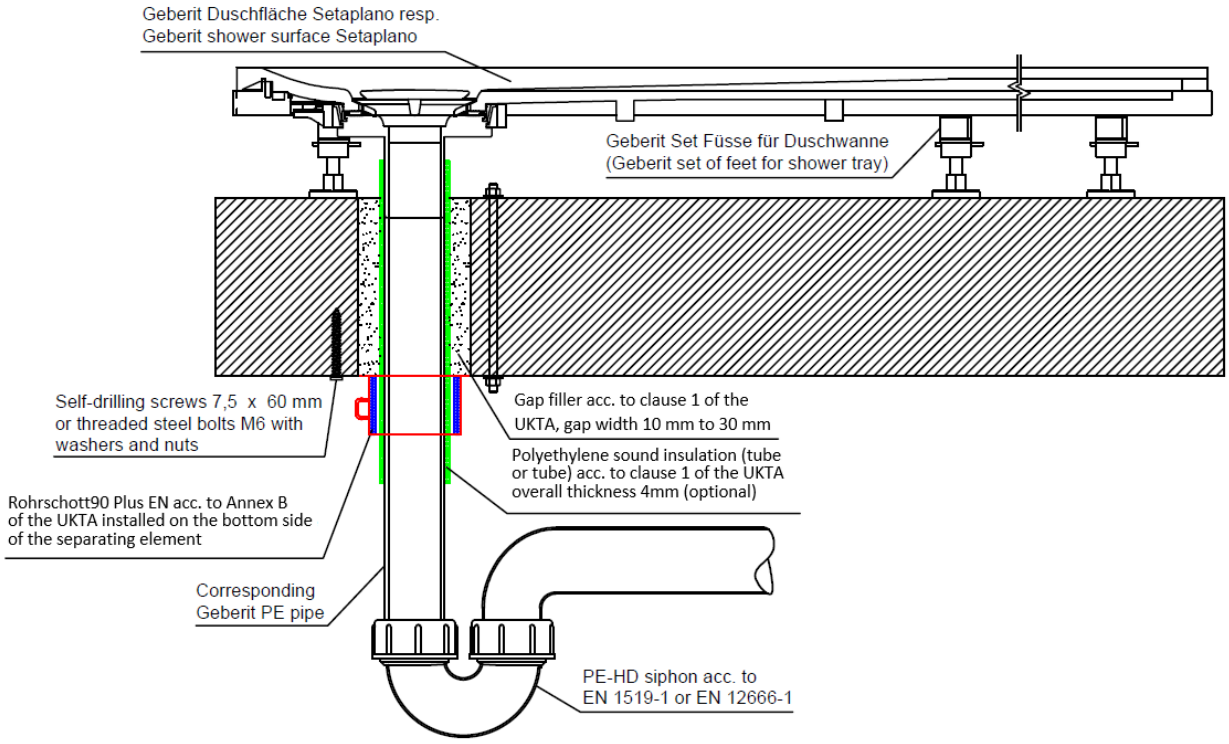
Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-21**

Shower floor drain, cross floor "Geberit Duschbodenablauf stockwerksdurchdringend" resp. "Geberit shower floor drain, cross floor" (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-22**

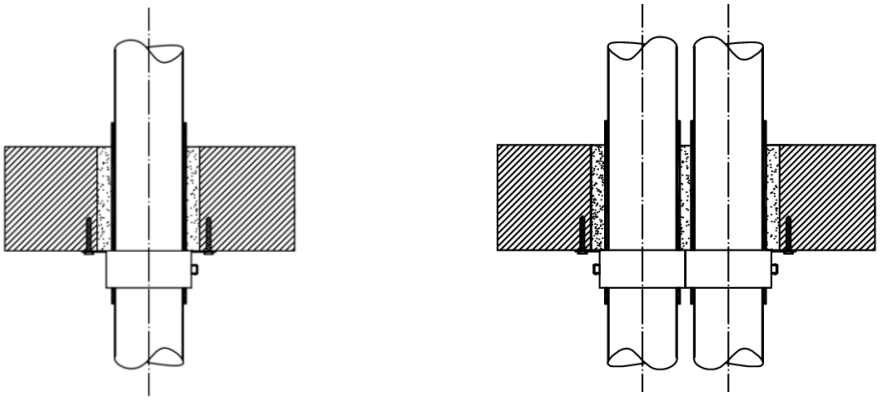
Shower floor drain, cross floor "Geberit Duschfläche Setaplano" resp. "Geberit shower surface Setaplano" (including the corresponding "Geberit PE" pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) acc. to cl. 2.1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element – Installation drawing – sectional view



Rohrschott90 Plus EN **- Installation in rigid floor-**	**ANNEX E-23**

ANNEX F – Fire resistance classification in rigid floor

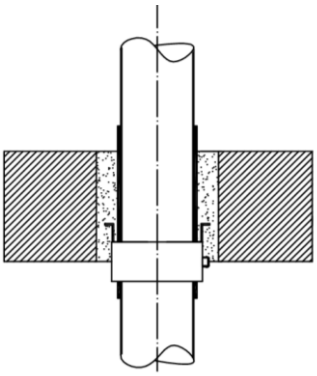
PE

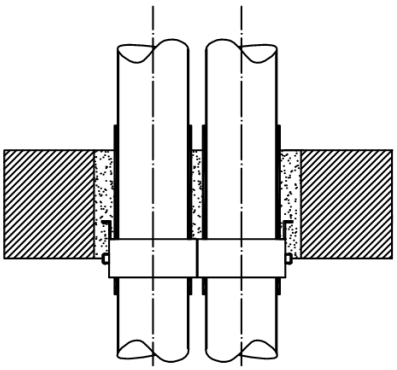


Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	3,0		
50	3,0		
56	3,0		
63	3,0		
75	3,0		
90	3,5		
110	4,3		
125	4,9		
160	6,2		
200	6,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-1**

PE

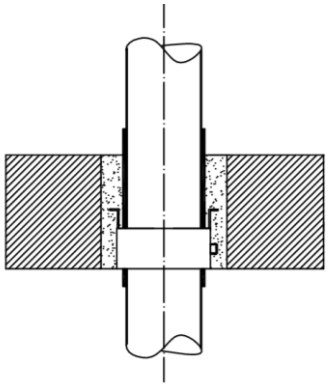


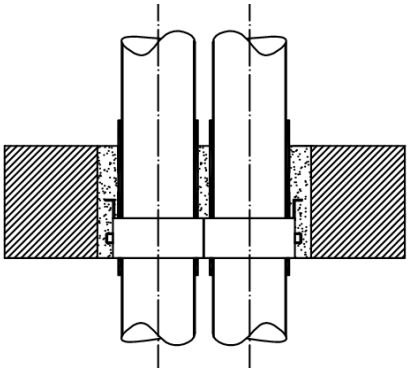


Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	3,0		
50	3,0		
56	3,0		
63	3,0		
75	3,0		
90	3,5		
110	4,3		
125	4,9		
160	6,2		
200	6,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-2**

PE

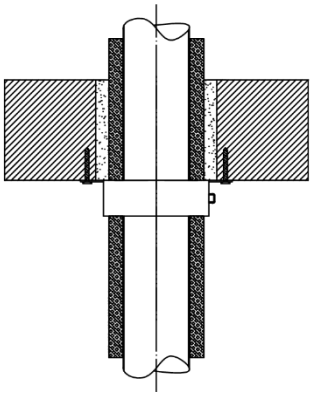




Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	3,0		
50	3,0		
56	3,0		
63	3,0		
75	3,0		
90	3,5		
110	4,3		
135	4,9		
160	6,2		
200	6,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-3**

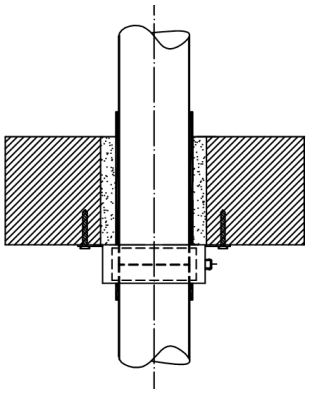
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Thickness**	**Thickness**	**Length on both sides of the separating element**	
32	3,0	----------	----------	----------
40	3,0	----------	----------	----------
50	3,0	13,5	≥ 500	EI 90-U/U E 90-U/U
56	3,0	14	≥ 500	
63	3,0	14	≥ 500	
75	3,0	14	≥ 500	
90	3,5	14,5	≥ 500	
110	4,3	15 to 23,5	≥ 500	
135	4,9	15 to 23,5	≥ 500	
160	6,2	16 to 25	≥ 500	
200	6,2	----------	----------	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-4**

PE



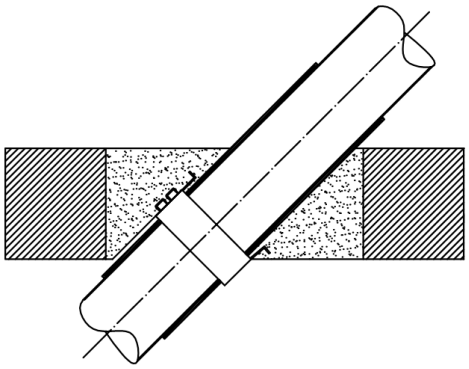
Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on Geberit Elektroschweißmuffe (Geberit electrofusion sleeve coupling) on the bottom side to the surface of the separating element

Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	3,0	----------
40	3,0	----------
50	3,0	----------
56	3,0	----------
63	3,0	----------
75	3,0	----------
90	3,5	----------
110	4,3	EI 90-U/U E 90-U/U
125	4,9	
160	6,2	----------
200	6,2	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-5**

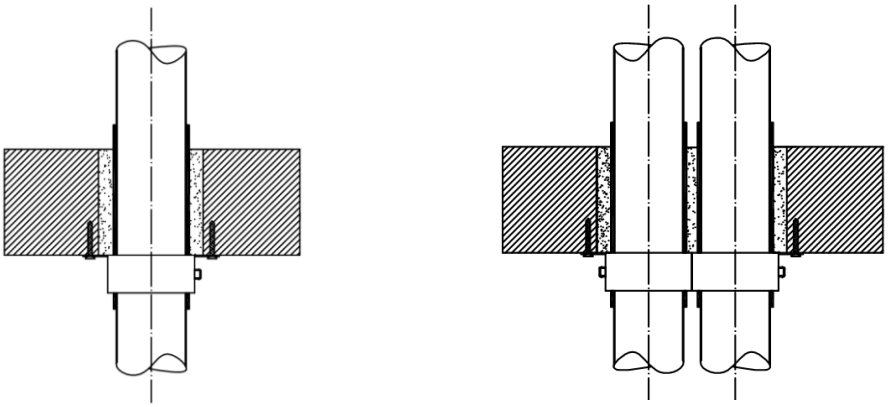
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	3,0	----------
40	3,0	----------
50	3,0	----------
56	3,0	----------
63	3,0	----------
75	3,0	----------
90	3,5	----------
110	4,3	----------
125	4,9	EI 90-U/U E 90-U/U
160	6,2	----------
200	6,2	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-6**

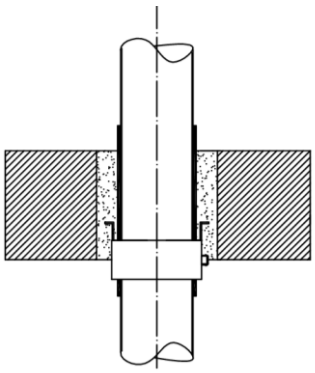
Silent-PP

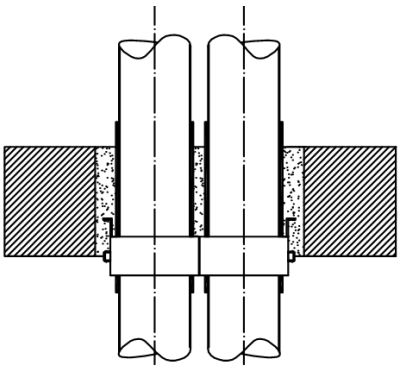


Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	2,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	2,0		
50	2,0		
75	2,6		
90	3,1		
110	3,6		
125	4,2		
160	5,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-7**

Silent-PP

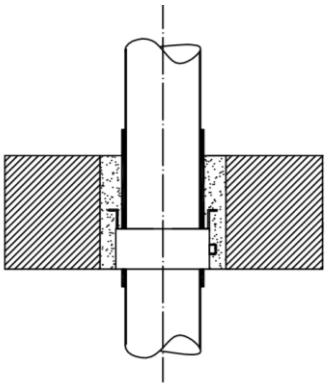


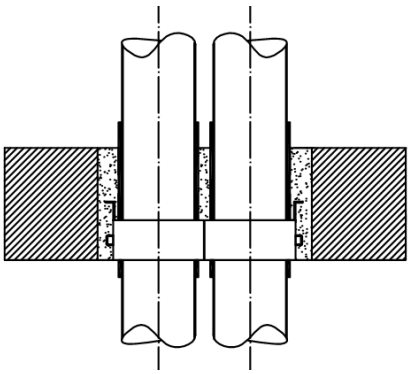


Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	2,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	2,0		
50	2,0		
75	2,6		
90	3,1		
110	3,6		
125	4,2		
160	5,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-8**

Silent-PP

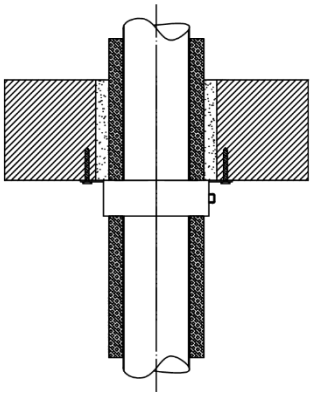




Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
32	2,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
40	2,0		
50	2,0		
75	2,6		
90	3,1		
110	3,6		
125	4,2		
160	5,2		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-9**

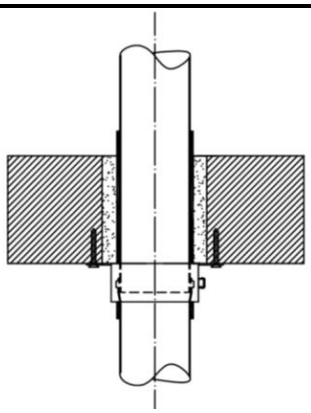
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Thickness**	**Thickness**	**Length on both sides of the separating element**	
32	2,0	----------	----------	----------
40	2,0	----------	----------	----------
50	2,0	13,5	≥ 500	EI 90-U/U E 90-U/U
75	2,6	14	≥ 500	
90	3,1	14,5	≥ 500	
110	3,6	15 to 18	≥ 500	
125	4,2	15 to 23,5	≥ 500	
160	5,2	16 to 25	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-10**

Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side to the surface of the separating element

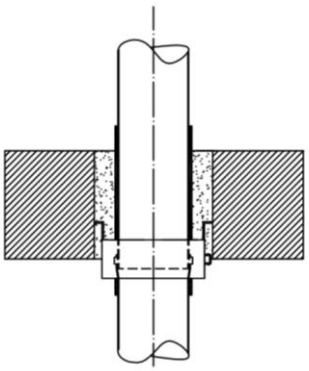
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	EI 90-U/U E 90-U/U
40	2,0	
50	2,0	
75	2,6	
90	3,1	
110	3,6	
125	4,2	
160	5,2	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-11

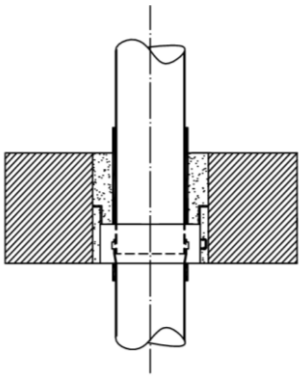
Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on connection sleeve on the bottom side partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	EI 90-U/U E 90-U/U
40	2,0	
50	2,0	
75	2,6	
90	3,1	
110	3,6	
125	4,2	
160	5,2	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-12**

Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side flushed within the separating element

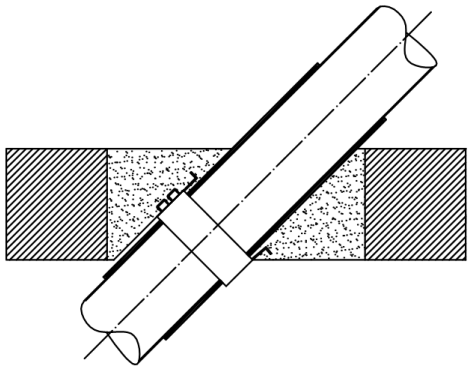
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	EI 90-U/U E 90-U/U
40	2,0	
50	2,0	
75	2,6	
90	3,1	
110	3,6	
125	4,2	
160	5,2	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-13

Silent-PP



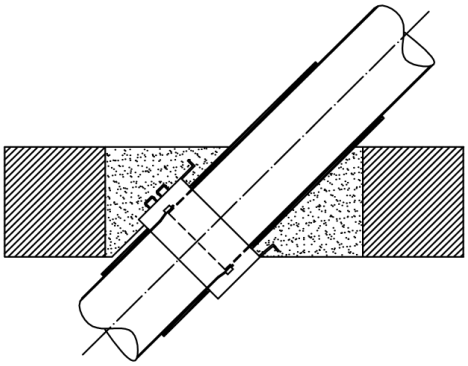
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	----------
40	2,0	----------
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	----------
125	4,2	EI 90-U/U E 90-U/U
160	5,2	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-14

Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45°
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side partially within the separating element

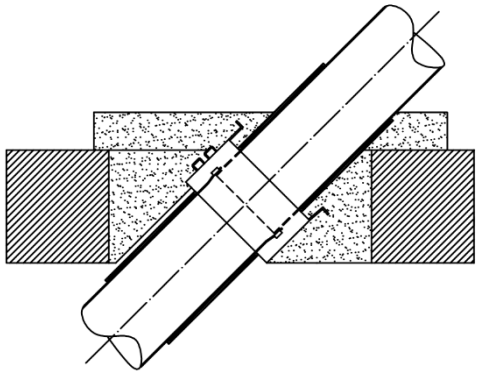
Pipe dimensions (mm)		Fire resistance classification
Outer diameter	Wall thickness	
32	2,0	----------
40	2,0	----------
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	EI 90-U/U E 90-U/U
125	4,2	
160	5,2	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-15

Silent-PP



Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45°
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side flushed within the separating element

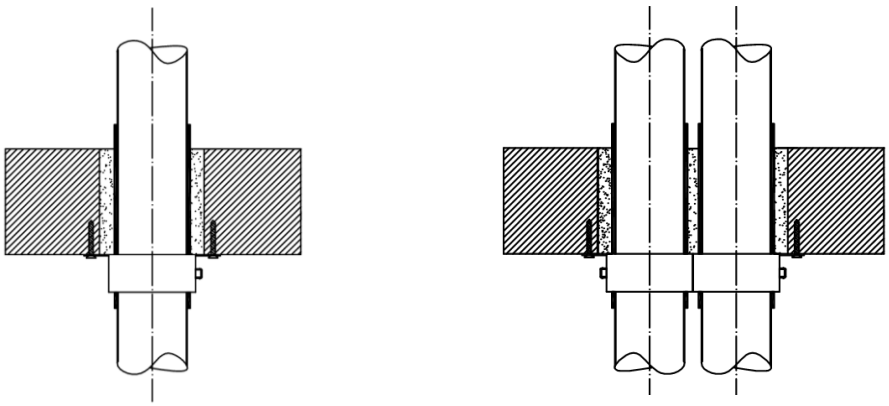
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	2,0	----------
40	2,0	----------
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	EI 90-U/U E 90-U/U
125	4,2	
160	5,2	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-16

Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element

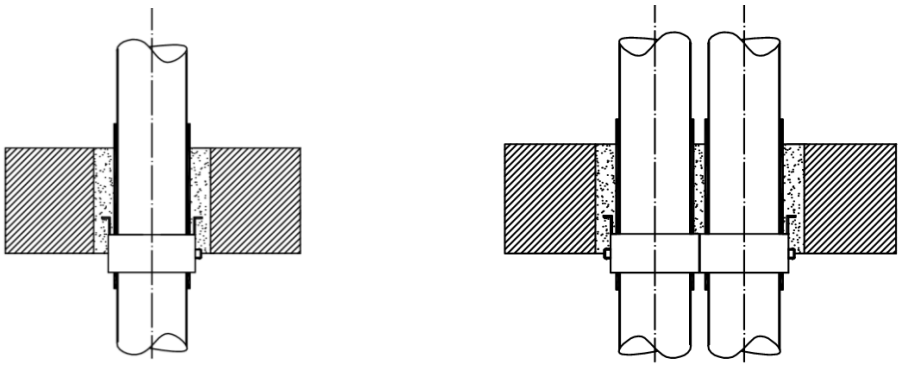
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
56	3,2	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
63	3,2		
75	3,6		
90	5,5		
110	6,0		
135	6,0		
160	7,0		

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-17

Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on the bottom side partially within the separating element

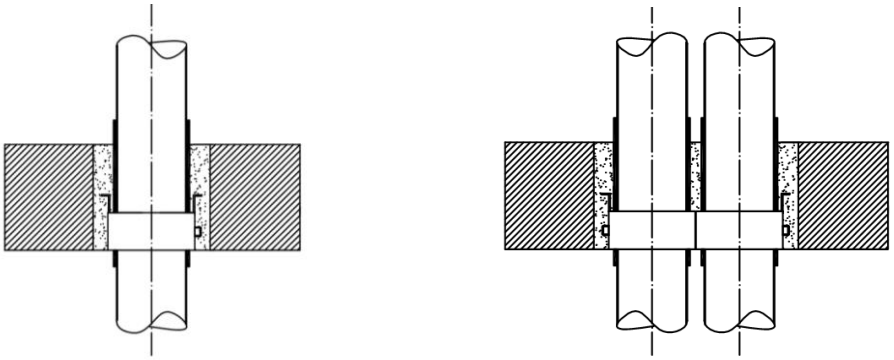
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
56	3,2	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
63	3,2		
75	3,6		
90	5,5		
110	6,0		
135	6,0		
160	7,0		----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-18

Silent-db20

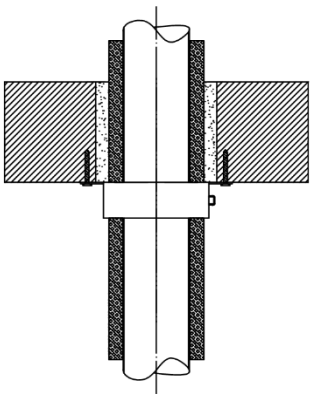


Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on the bottom side flushed within the separating element

Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
56	3,2	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
63	3,2		
75	3,6		
90	5,5		
110	6,0		
135	6,0		
160	7,0		

Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element

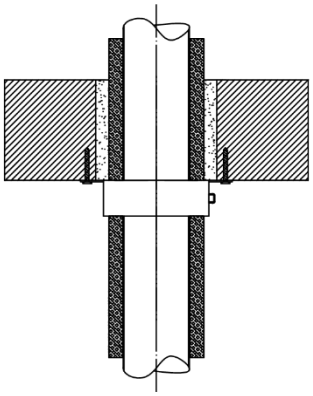
Pipe dimensions (mm)		Sound insulation mat Symmetrical insulation (mm)		Fire resistance classification
Outer diameter	Thickness	Thickness	Length on both sides of the separating element	
56	3,2	17	≥ 500	EI 90-U/U E 90-U/U
63	3,2	17	≥ 500	
75	3,6	17	≥ 500	
90	5,5	17	≥ 500	
110	6,0	17	≥ 500	
135	6,0	17	≥ 500	
160	7,0	17	≥ 500	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-20

Silent-db20



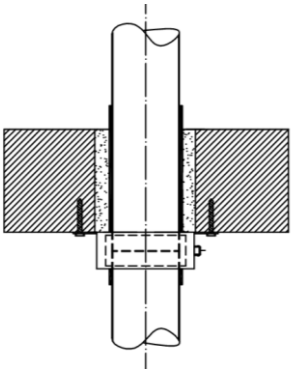
Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Thickness**	**Thickness**	**Length on both sides of the separating element**	
56	3,2	14	≥ 500	EI 90-U/U E 90-U/U
63	3,2	14	≥ 500	
75	3,6	14	≥ 500	
90	5,5	14,5	≥ 500	
110	6,0	15 to 23,5	≥ 500	
135	6,0	15,5 to 24	≥ 500	
160	7,0	16 to 25	≥ 500	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-21

Silent-db20



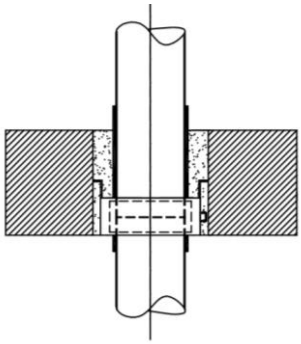
Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on Geberit Elektroschweißmuffe (Geberit electrofusion sleeve coupling) on the bottom side to the surface of the separating element

Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	EI 90-U/U E 90-U/U
110	6,0	
135	6,0	----------
160	7,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-22**

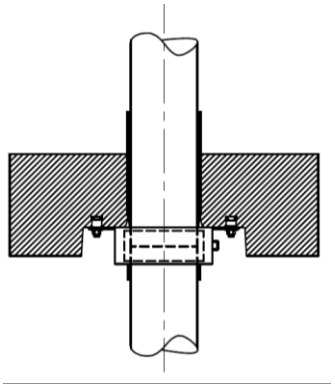
Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on Geberit Elektroschweißmuffe (Geberit electrofusion sleeve coupling) on the bottom side flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	EI 90-U/U E 90-U/U
110	6,0	
135	6,0	
160	7,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-23**

Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in concrete floors (rigid floors) acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed (optionally on Geberit Elektroschweißmuffe (Geberit electrofusion sleeve coupling)) on the bottom side to the surface of the separating element and fixed to the integrated fastenings of Geberit Schalungsschoner mit integrierter Befestigung (Geberit formwork guard with integrated fastening)

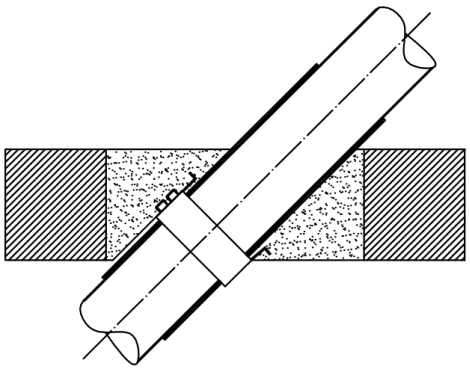
Pipe dimensions (mm)		Fire resistance classification
Outer diameter	Wall thickness	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	----------
110	6,0	EI 90-U/U E 90-U/U
135	6,0	----------
160	7,0	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-24

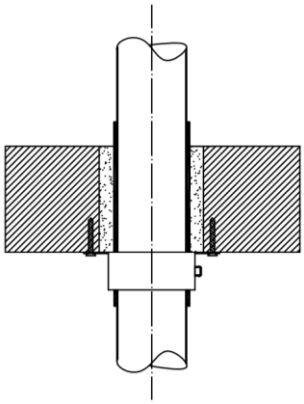
Silent-db20

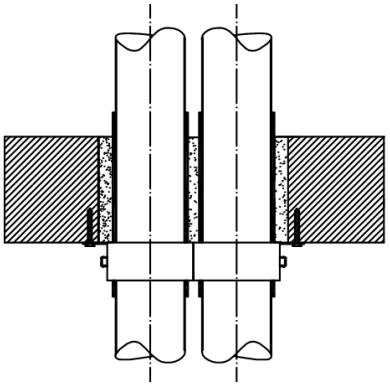


Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	----------
110	6,0	----------
135	6,0	EI 90-U/U E 90-U/U
160	7,0	----------

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-25**

Silent-Pro

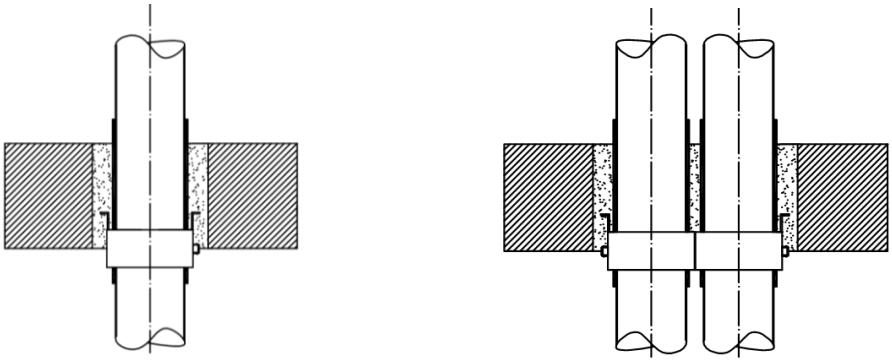




Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-26**

Silent-Pro



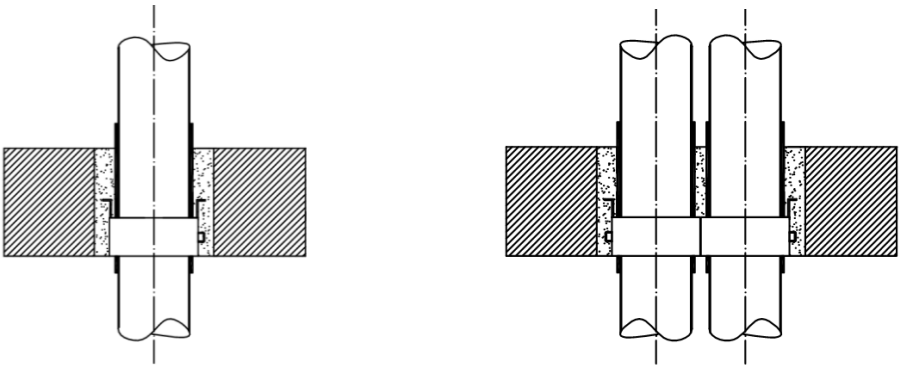
Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0		

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-27

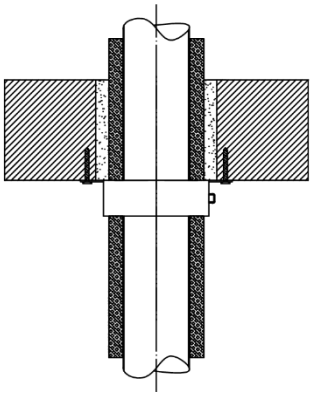
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element			
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0		

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-28**

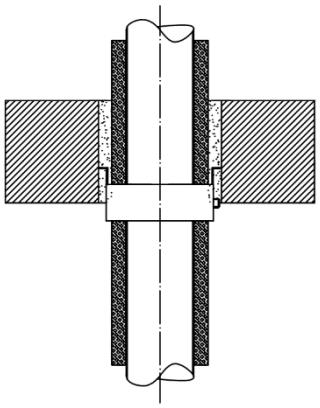
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
50	3,0	17	≥ 500	EI 90-U/U E 90-U/U
75	3,8	17	≥ 500	
90	4,3	17	≥ 500	
110	4,5	17	≥ 500	
125	5,0	17	≥ 500	
160	6,0	17	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-29**

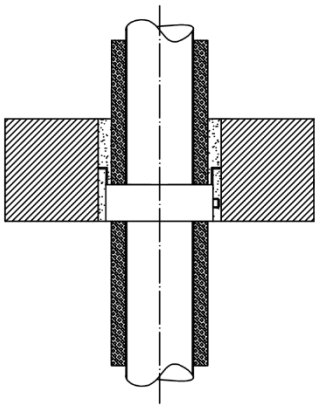
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
50	3,0	17	≥ 500	EI 90-U/U E 90-U/U
75	3,8	17	≥ 500	
90	4,3	17	≥ 500	
110	4,5	17	≥ 500	
125	5,0	17	≥ 500	
160	6,0	17	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-30**

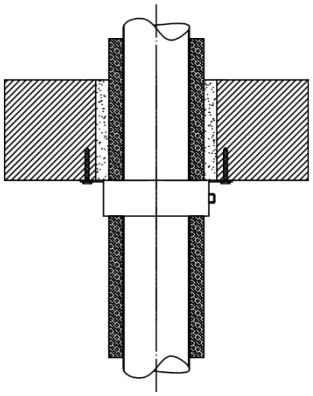
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with Sound insulation mat acc. to cl. 1 of the UKTA – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element				
Pipe dimensions (mm)		**Sound insulation mat Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
50	3,0	17	≥ 500	EI 90-U/U E 90-U/U
75	3,8	17	≥ 500	
90	4,3	17	≥ 500	
110	4,5	17	≥ 500	
125	5,0	17	≥ 500	
160	6,0	17	≥ 500	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-31**

Silent-Pro



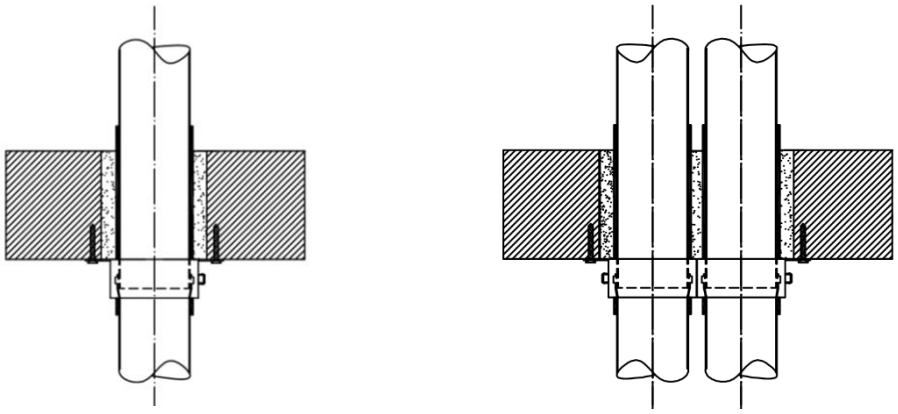
Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA with AF/Armaflex (local-sustained LS or continued-sustained CS) – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element				
Pipe dimensions (mm)		**AF/Armaflex Symmetrical insulation (mm)**		**Fire resistance classification**
Outer diameter	**Wall thickness**	**Thickness**	**Length on both sides of the separating element**	
50	3,0	13,5	≥ 500	EI 90-U/U E 90-U/U
75	3,8	14	≥ 500	
90	4,3	14,5	≥ 500	
110	4,5	15 to 18	≥ 500	
125	5,0	15 to 23,5	≥ 500	
160	6,0	16 to 25	≥ 500	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-32

Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side to the surface of the separating element

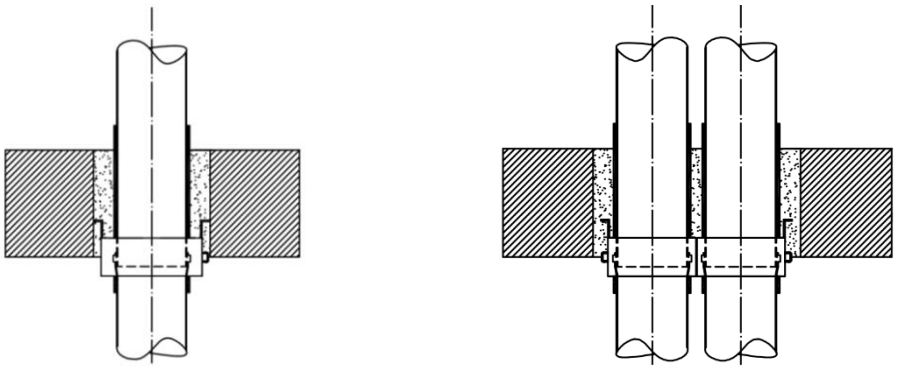
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0		

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-33

Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side partially within the separating element

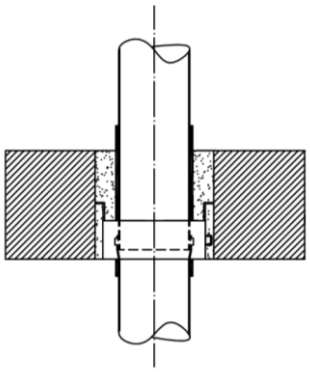
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0	----------	----------

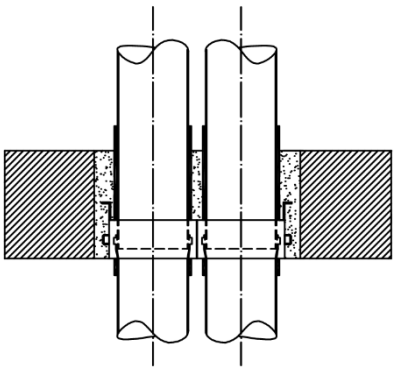
Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-34

Silent-Pro





Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA)
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side flushed within the separating element

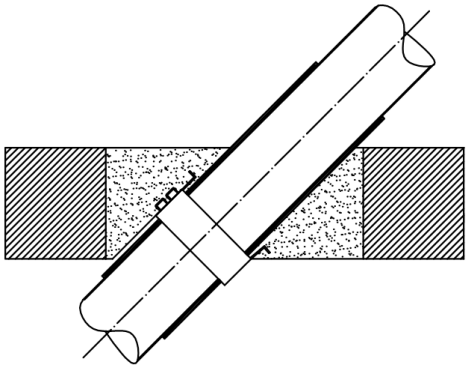
Pipe dimensions (mm)		**Fire resistance classification**	
Outer diameter	**Wall thickness**	**Single pipe**	**Minimum distance between two pipe collars (0 mm)**
50	3,0	EI 90-U/U E 90-U/U	EI 90-U/U E 90-U/U
75	3,8		
90	4,3		
110	4,5		
125	5,0		
160	6,0	----------	----------

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-35

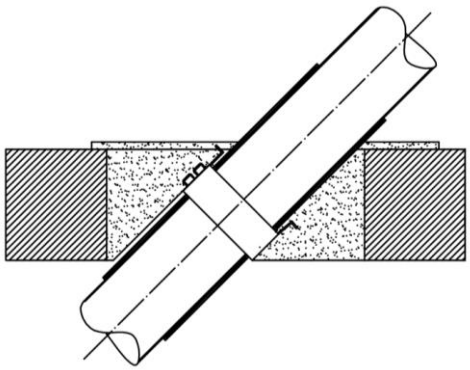
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side partially within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-36**

Silent-Pro



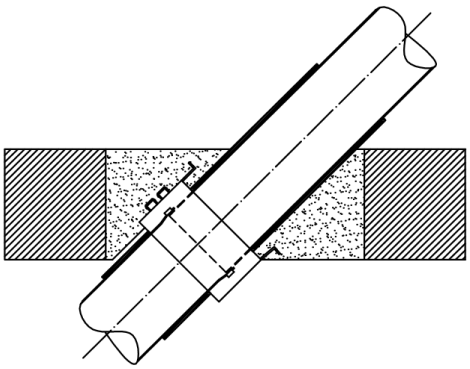
Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45° – in rigid floors acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side flushed within the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-37

Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45°
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side partially within the separating element

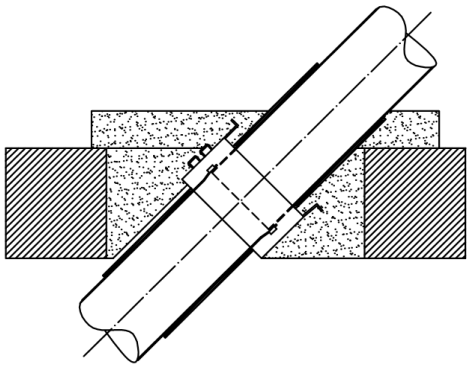
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-38

Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) installed in an angle between 90° and 45°
– in rigid floors acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on connection sleeve on the bottom side flushed within the separating element

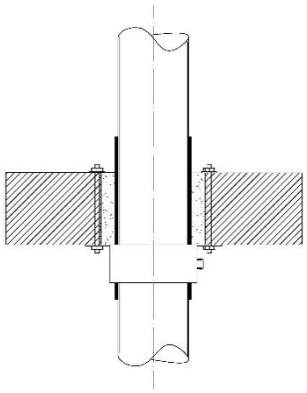
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-39

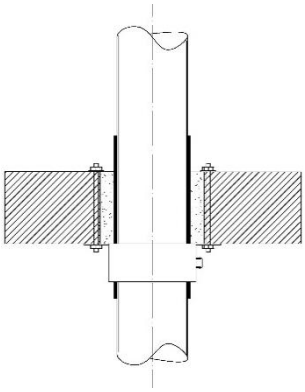
PE



Plastic pipes Geberit PE acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors with a thickness of minimum 100 mm acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
32	3,0	----------
40	3,0	----------
50	3,0	----------
56	3,0	----------
63	3,0	----------
75	3,0	----------
90	3,5	----------
110	4,3	----------
135	4,9	----------
160	6,2	EI 90-U/U E 90-U/U

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-40**

Silent-PP



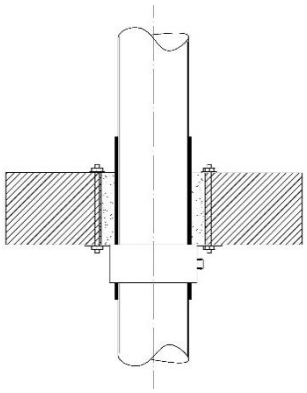
Plastic pipes Geberit Silent-PP acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA) – in rigid floors with a thickness of minimum 100 mm acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	2,0	----------
75	2,6	----------
90	3,1	----------
110	3,6	----------
125	4,2	----------
160	5,2	EI 90-U/U E 90-U/U

Rohrschott90 Plus EN

- Fire resistance classification -

ANNEX F-41

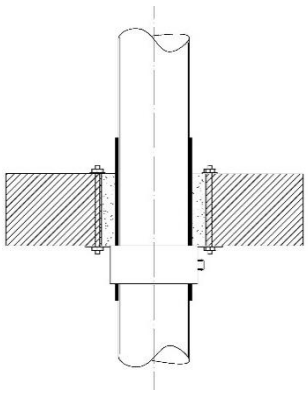
Silent-db20



Plastic pipes Geberit Silent-db20 acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) acc. to cl. 1 of the UKTA) – in rigid floors with a thickness of minimum 100 mm acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
56	3,2	----------
63	3,2	----------
75	3,6	----------
90	5,5	----------
110	6,0	----------
135	6,0	----------
160	7,0	EI 90-U/U E 90-U/U

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-42**

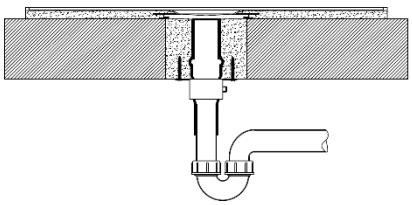
Silent-Pro



Plastic pipes Geberit Silent-Pro acc. to cl. 2.1 of the UKTA (optionally with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA) – in rigid floors with a thickness of minimum 100 mm acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U
75	3,8	
90	4,3	
110	4,5	
125	5,0	
160	6,0	

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-43**

Shower floor drain, cross floor

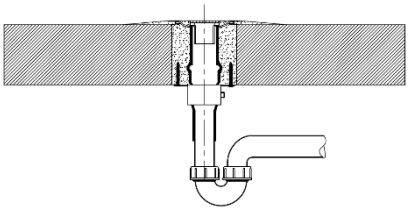


Geberit Duschrinne CleanLine with Geberit Rohbauset für Duschrinnen der Reihe CleanLine, stockwerksdurchdringende Installation resp. Geberit shower channel CleanLine with Geberit installation set for shower channels of the CleanLine series, cross-floor installation (including the corresponding Geberit PE pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) acc. to cl. 2.1 of the UKTA with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA)

– in rigid floors with a thickness of minimum 150 mm acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element

Pipe dimensions (mm)		Fire resistance classification
Outer diameter	Wall thickness	
50	3,0	EI 90-U/U E 90-U/U



Geberit Duschbodenablauf stockwerksdurchdringend resp. Geberit shower floor drain, cross floor (including the corresponding Geberit PE pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) acc. to cl. 2.1 of the UKTA with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA)

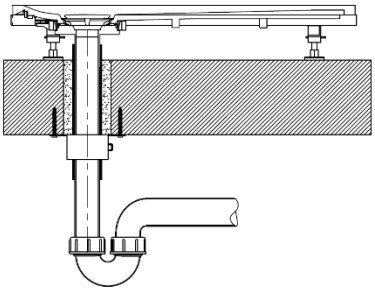
– in rigid floors with a thickness of minimum 150 mm acc. to cl. 2.1 of the UKTA

– Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element

Pipe dimensions (mm)		Fire resistance classification
Outer diameter	Wall thickness	
50	3,0	EI 60-U/U E 60-U/U

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-44**

Shower floor drain, cross floor



Geberit Duschfläche Setaplano resp. Geberit shower surface Setaplano (including the corresponding Geberit PE pipe and a PE-HD siphon according to EN 1519-1 or EN 12666-1) acc. to cl. 2.1 of the UKTA with Polyethylene sound insulation (tube or tape) according to clause 1 of the UKTA – in rigid floors with a thickness of minimum 150 mm acc. to cl. 2.1 of the UKTA – Rohrschott90 Plus EN installed on the bottom side to the surface of the separating element		
Pipe dimensions (mm)		**Fire resistance classification**
Outer diameter	**Wall thickness**	
50	3,0	EI 90-U/U E 90-U/U

Rohrschott90 Plus EN **- Fire resistance classification -**	**ANNEX F-45**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Certificate No.
0843-CPR-1324

Issue date
27-06-2025

Issue No.
1

Re-Issue date
N/A

UKAS PRODUCT CERTIFICATION
4705

This is to certify that UL International (UK) Ltd. did undertake the relevant AVCP procedures for the equipment identified below which was found to be in compliance with the Construction Products Regulation 2011 as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, subject to any conditions attached hereto.

Manufacturer:
Geberit International AG

Address:
Schachenstrasse 77, 8645 Jona, Switzerland

Product:
Rohrschott90 Plus EN

Places of production:
E/007, E/008

Harmonized requirements
EAD 350454-00-1104, September 2017

Scope of Certificate
0843-UKTA-24/0001, issued on 27/05/2025

On behalf of the Head of Approved Body:

David Yates
Issued by UL International (UK) Ltd, Approved Body 0843.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in 0843-UKTA-24/0001 of the above referenced standards, under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate will remain valid as long as neither the EAD, 0843-UKTA-24/0001, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the UK Approved body.

UL Solutions
Form-ULID-006104 V8.0

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

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Detailed information sheet:

Product Reference:	Rohrschott90 Plus EN
Type:	Penetration sealing system
Description:	Pipe collar for plastic pipes
Key Performance parameters:	See 0843-UKTA-24/0001
Accessories:	See 0843-UKTA-24/0001
Identification and intended use	label

Limitations on the acceptance or use of the product(s):

Installation instructions	To be used in accordance with the supplier's installation instructions, technical datasheet and UKTA.
Limitations	See Technical Data Sheet and the UKTA
UL Report:	4790500599

Terms and Conditions:

1. This certificate remains the property of UL International (UK) Ltd, herein "UL UK", and will be withdrawn if any conditions attached to its issue are not complied with.
2. This certificate is issued subject to the Global Services Agreement (GSA) and UKCA CPR Service Terms.
3. Production is limited to the site(s) as listed, or detailed within the Technical documentation held by UL UK.
4. Any product change, production/process changes, etc. which may affect conformity shall be notified to UL UK.
5. This certificate is only valid for placing goods on the market of United Kingdom excluding Northern Ireland.

END OF CERTIFICATE

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