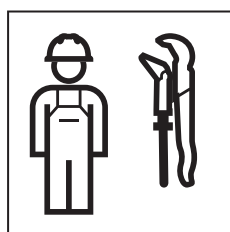


INSTALLATION MANUAL

MONTAGEANLEITUNG
INSTRUCTIONS DE MONTAGE
ISTRUZIONI PER IL MONTAGGIO



967.460.00.0(02)



About this document

This document contains all the information you will need to correctly create a fire-retardant seal with section insulation in accordance with European Technical Assessment ETA-14/0126.

The fire-retardant seal with section insulation consists of the following:

- ROCKWOOL 800 snap-on pipe section
- Joint filler
- Geberit system pipes

Target group

This product may only be mounted by skilled persons. A skilled person is a person who, due to their specialist education, training and/or experience, is able to recognise risks and avoid hazards that may arise when using the product.

Safety notes

- Create the fire-retardant seal with section insulation in accordance with the specifications contained in this document in order to meet the requirements of the specified fire resistance classes.
- In addition to the specifications in this document, also take note of the country-specific fire-protection regulations.
- Defects to fire-retardant seals with section insulation must be repaired immediately.

Elements used

Overview of the system pipes

Table 1: Dimensions of copper pipe, Geberit Mapress Stainless Steel CrNi system pipe, CrNiMo system pipe and CrMoTi system pipe

Copper pipe Class A1 in accordance with EN 13501-1		Geberit Mapress Stainless Steel CrNi system pipe (1.4301)		Geberit Mapress Stainless Steel CrNiMo system pipe (1.4401)		Geberit Mapress Stainless Steel CrMoTi system pipe (1.4521)	
d [mm]	s [mm]	d [mm]	s [mm]	d [mm]	s [mm]	d [mm]	s [mm]
12	1	—	—	12	1	12	1
15	1	15	1	15	1	15	1
18	1	18	1	18	1	18	1
22	1.2	22	1.2	22	1.2	22	1.2
28	1.2	28	1.2	28	1.2	28	1.2
35	1.5	35	1.5	35	1.5	35	1.5
42	1.5	42	1.5	42	1.5	42	1.5
54	1.5	54	1.5	54	1.5	54	1.5
76.1	2	76.1	1.5	76.1	2	—	—
88.9	2	88.9	1.5	88.9	2	—	—
108	2.5	108	2	108	2	—	—

— Does not apply

Table 2: Dimensions of the Geberit Mapress Carbon Steel outside zinc-plated system pipe, inside and outside zinc-plated system pipe, and plastic-jacketed system pipe

Geberit Mapress Carbon Steel outside zinc-plated system pipe		Geberit Mapress Carbon Steel inside and outside zinc-plated system pipe		Geberit Mapress Carbon Steel plastic-jacketed system pipe	
d [mm]	s [mm]	d [mm]	s [mm]	d [mm]	s [mm]
12	1.2	—	—	12	1.2
15	1.2	15	1.5	15	1.2
18	1.2	18	1.5	18	1.2
22	1.5	22	1.5	22	1.5
28	1.5	28	1.5	28	1.5
35	1.5	35	1.5	35	1.5
42	1.5	42	1.5	42	1.5
54	1.5	54	1.5	54	1.5
66.7	1.5	—	—	—	—
76.1	2	76.1	2	—	—
88.9	2	88.9	2	—	—
108	2	108	2	—	—

— Does not apply

Table 3: Dimensions of Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm

Geberit Mepla system pipe, ML		Geberit Mepla system pipe, ML, MeplaTherm	
d [mm]	s [mm]	d [mm]	s [mm]
16	2.25	16	2.25
20	2.5	20	2.5
26	3	26	3
32	3	32	3
40	3.5	40	3.5
50	4	50	4
63	4.5	63	4.5
75	4.7	75	4.7

Table 4: Dimensions of Geberit system pipe, PB, Geberit system pipe, ML, Geberit system pipe, ML, Therm and Geberit PushFit system pipe, ML

Geberit system pipe, PB		Geberit system pipe, ML		Geberit system pipe, ML, Therm		Geberit PushFit system pipe, ML	
d [mm]	s [mm]	d [mm]	s [mm]	d [mm]	s [mm]	d [mm]	s [mm]
14	2.75	—	—	—	—	—	—
16	2	16	2	16	2	16	2
20	2	20	2	20	2	20	2
25	2.5	25	2.5	25	2.5	25	2.5
—	—	32	2.8	—	—	—	—
—	—	40	3	—	—	—	—
—	—	50	3.8	—	—	—	—
—	—	63	4	—	—	—	—
—	—	75	4.6	—	—	—	—

— Does not apply

Properties

Snap-on pipe section

- Snap-on pipe section made of rock wool, laminated with net-reinforced aluminium foil with self-adhesive overlap
- Trade name: ROCKWOOL 800
- Manufacturer: DEUTSCHE ROCKWOOL GmbH & Co. KG

Pipe bracket

Pipe bracket made of metal with a melting point of $\geq 1,006^{\circ}\text{C}$ for EI 90 and $\geq 1,049^{\circ}\text{C}$ for EI 120

Joint filler

Joint filler:

- Non-combustible, dimensionally stable building material with classification A1 or A2-s1, d0 in accordance with EN 13501-1
- Examples: mortar, cement, plaster

Joint filler for metal pipes in solid floors with branch fittings (mixed installation):

- Cement-based masonry mortar in accordance with EN 998-2
- Minimum dry bulk density: 850 kg/m^3
- Minimum compressive strength: 8.2 N/mm^2 or at least class M 5 in accordance with EN 998-2 and classification A1 in accordance with EN 13501-1
- Only for use as a joint filler for metal pipes in ceilings with branch fittings, consisting of the following system pipes:
 - Geberit Mepla system pipe ML
 - Geberit Mepla system pipe ML, MeplaTherm
 - Geberit PushFit system pipe ML
 - Geberit system pipe ML
 - Geberit system pipe ML, Therm
 - Geberit system pipe PB

Solid walls

- Autoclaved aerated concrete, concrete or masonry
- Thickness: $\geq 100 \text{ mm}$
- Classification in accordance with EN 13501-2 corresponding to the required fire resistance

Lightweight walls

- Steel or wood frame, panelled on both sides with at least 2 layers of panels. Classification of the panels: A2-s1, d0 or A1 in accordance with EN 13501-1
- For wood frame walls, a distance of at least 100 mm between penetration seal and wood frame. Hollow space between penetration seal and wood frame filled with at least 100 mm insulation. Classification of the insulation: A1 or A2 in accordance with EN 13501-1
- Wall thickness: ≥ 94 mm
- Classification in accordance with EN 13501-2: $\geq EI 90$

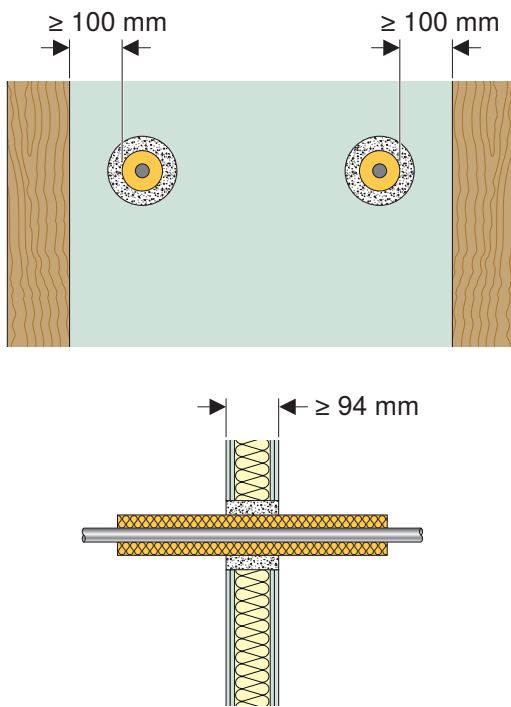


Figure 1: Dimensioning of lightweight walls

Duct walls

- Steel frame in accordance with EN 14195, panelled on one side with 3 layers of panels:
 - Width of the profiles: 50 mm
 - Panel thickness: 15 mm (3x)
 - Panel type: DF-type plasterboard in accordance with EN 520
 - Classification of the panels: A2-s1, d0 or A1 in accordance with EN 13501-1
- Insulation between profiles with rock wool in accordance with EN 13162:
 - Fire behaviour of the rock wool: Class A1 in accordance with EN 13501-1
 - Density of the rock wool: 40 kg/m³
 - Melting point of the rock wool: > 1,000 °C in accordance with DIN 4102-17
 - Thickness of the rock wool: 40 mm
- Distance between the profiles: ≤ 625 mm
- Mechanical strength and stability corresponding to the required fire resistance class
- Classification in accordance with EN 13501-2: ≥ EI 90

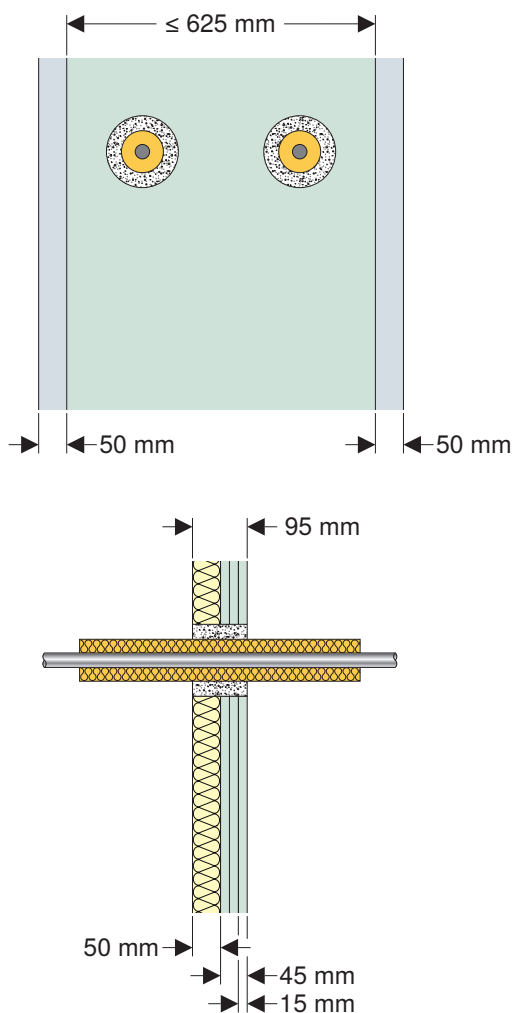


Figure 2: Dimensioning of duct walls

Solid floors

- Autoclaved aerated concrete or concrete
- Density:
 - ≥ 600 kg/m³
 - ≥ 550 kg/m³ (for mixed installations)
- Thickness: ≥ 150 mm
- Classification in accordance with EN 13501-2: corresponding to the required fire resistance

System pipes

Separating component	System pipe
Lightweight wall, solid wall, solid floor	Copper pipes, class A1 in acc. with EN 13501-1
	Geberit Mapress Stainless Steel CrNi system pipe (1.4301)
	Geberit Mapress Stainless Steel CrNiMo system pipe (1.4401)
	Geberit Mapress Stainless Steel CrMoTi system pipe (1.4521)
	Geberit Mapress Carbon Steel outside zinc-plated system pipe
	Geberit Mapress Carbon Steel inside and outside zinc-plated system pipe
	Geberit Mapress Carbon Steel plastic-jacketed system pipe
	Geberit Mepla system pipe, ML
	Geberit Mepla system pipe, ML, MeplaTherm
	Geberit PushFit system pipe, ML
	Geberit system pipe, ML
	Geberit system pipe, ML, Therm
Duct wall	Geberit Mapress Stainless Steel CrNi system pipe (1.4301)
	Geberit Mapress Stainless Steel CrNiMo system pipe (1.4401)
	Geberit Mapress Stainless Steel CrMoTi system pipe (1.4521)
	Geberit Mapress Carbon Steel outside zinc-plated system pipe
	Geberit Mapress Carbon Steel inside and outside zinc-plated system pipe
	Geberit Mapress Carbon Steel plastic-jacketed system pipe
	Geberit Mepla system pipe, ML
Mixed installation ceiling	Geberit Mepla system pipe, ML, MeplaTherm
	Copper pipes, class A1 in acc. with EN 13501-1
	Geberit Mapress Stainless Steel CrNi system pipe (1.4301)
	Geberit Mapress Stainless Steel CrNiMo system pipe (1.4401)
	Geberit Mapress Stainless Steel CrMoTi system pipe (1.4521)
	Geberit Mapress Carbon Steel outside zinc-plated system pipe
	Geberit Mapress Carbon Steel inside and outside zinc-plated system pipe
	Geberit Mepla system pipe, ML
	Geberit Mepla system pipe, ML, MeplaTherm
	Geberit PushFit system pipe, ML
	Geberit system pipe, ML
	Geberit system pipe, ML, Therm
	Geberit system pipe, PB

Installation rules

Alignment of the system pipes used

- Only pass copper pipes, Geberit Mapress system pipes and Geberit multilayer pipes through at right angles to the surface of the wall or ceiling.
- In the case of copper pipes and Geberit Mapress system pipes in solid floors with branch fittings comprising multilayer pipes (mixed installation), only mount the branch fittings at right angles to the surface of the pipe being fed through.

Pipe supports

- For wall feed-throughs, support pipes on both sides (≤ 600 mm from wall surface).
- For wall feed-throughs in duct walls, support pipes on both sides (≤ 620 mm from wall surface).
- As a minimum requirement, support pipes on the upper side of the ceiling for ceiling feed-throughs (≤ 600 mm from the ceiling surface).

See dimensional drawings in the 'Installation dimensions' chapter.

Length of the section insulation

- Universal insulation of the system pipes with ROCKWOOL 800 snap-on pipe section. Length of insulation → see dimensional drawings in the 'Installation dimensions' chapter.
- For walls or ceilings that are more than the required length of section insulation, select the length of the snap-on pipe section in such a way that the snap-on pipe section protrudes over the wall or ceiling on both sides by ≥ 100 mm.
- Additional insulation, such as thermal insulation, can be used as well as the ROCKWOOL 800 snap-on pipe section. The fire behaviour of the additional insulation must correspond to at least class E in accordance with EN 13501-1:2018.

See dimensional drawings in the 'Installation dimensions' chapter.

Thickness of the section insulation

- Select the thickness of the ROCKWOOL 800 snap-on pipe section depending on the outer diameter of the system pipe → see tables in the 'Installation dimensions' chapter.
- Do not increase the thickness of the snap-on pipe section for locally continuous section insulation.
- The thickness of the snap-on pipe section may be increased for section insulation that surpasses the pipe length.

Annular gap

- Maximum width of the annular gap between the snap-on pipe section and the wall or ceiling → see dimensional drawings in the 'Installation dimensions' chapter.
- Completely seal the annular gap on both sides of the wall or ceiling with joint filler.

Distance between system pipes

Distances between parallel system pipes, measured from the surface of the snap-on pipe section

- For lightweight walls, solid walls and solid floors: ≥ 0 mm
 - Metal pipes $\leq d54$: ≥ 0 mm
 - Metal pipes $> d54$: ≥ 100 mm
- For duct walls: ≥ 250 mm
- For mixed installations:
 - Riser pipe $\leq d54$: ≥ 0 mm
 - Riser pipe $> d54$: ≥ 100 mm

Transport and storage

Observe the manufacturer's specifications for transport and storage of the system pipes and the ROCKWOOL 800 snap-on pipe section.

Protect the ROCKWOOL 800 snap-on pipe section from the effects of weather during the construction phase.

Installation

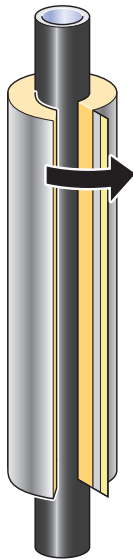
Mount the ROCKWOOL 800 snap-on pipe section



This installation manual only describes the basic installation steps. To mount the snap-on pipe section onto bends or branch fittings, please consult the installation manual provided by the manufacturer of the ROCKWOOL 800 snap-on pipe section.

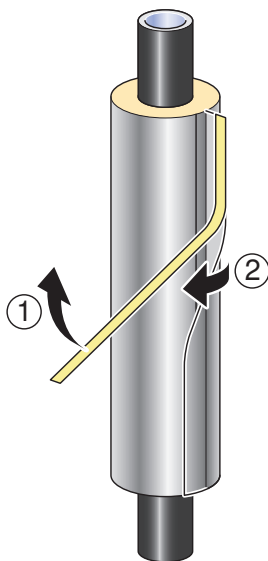
1

Open snap-on pipe section and lay over pipe.



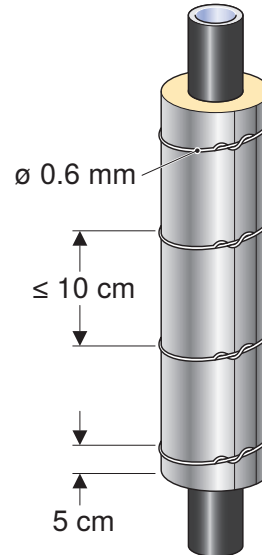
2

Close and bond snap-on pipe section.



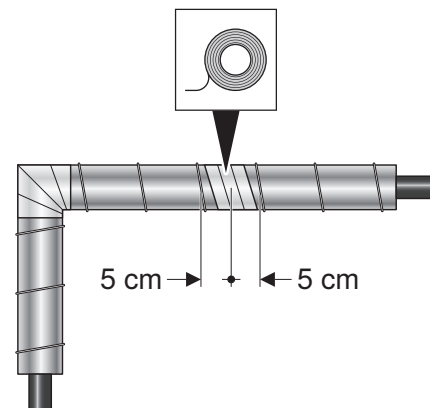
3

Secure snap-on pipe section with binding wire. Wrapped around at least 10 times per metre.



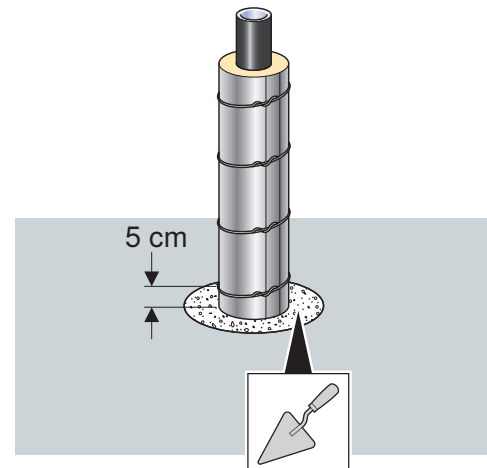
4

Bond joints with aluminium adhesive tape.



5

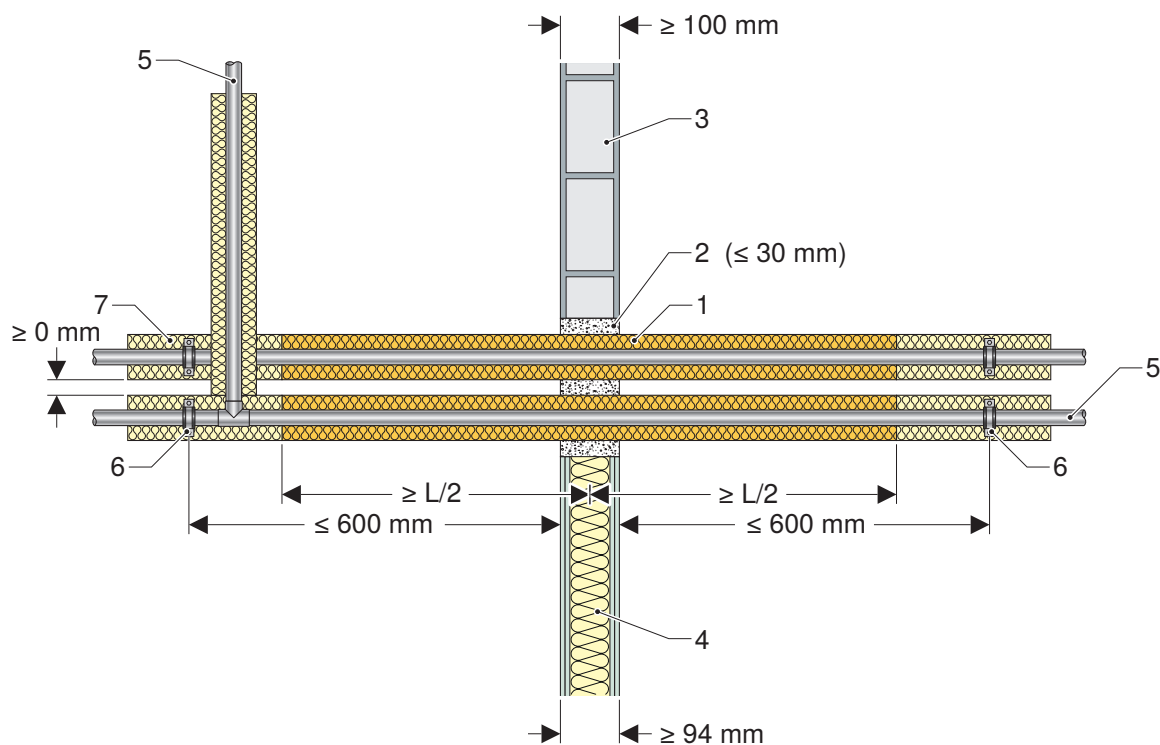
Seal annular gap with joint filler.



Installation dimensions

Fire-retardant seal with section insulation in lightweight and solid walls

Wall feed-through for Geberit Mapress system pipes – symmetrical insulation



- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid wall → see "Solid walls", page 5
- 4 Lightweight wall → see "Lightweight walls", page 6
- 5 Geberit Mapress system pipe → see "System pipes", page 8
- 6 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 7 Further insulation → see "Length of the section insulation", page 9

Table 5: Dimensions for fire-retardant seal with section insulation in lightweight walls and solid walls, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe

d [mm]	Copper pipe	Geberit Mapress Stainless Steel system pipe			ROCKWOOL 800 snap-on pipe section		Fire resistance class
		1.4301	1.4401	1.4521	Intensity [mm]	L [mm]	
12	✓	—	✓	✓	20	≥ 1,000	EI 90-U/C E 90-U/C
15	✓	✓	✓	✓	20	≥ 1,000	
18	✓	✓	✓	✓	20	≥ 1,000	
22	✓	✓	✓	✓	20	≥ 1,000	
28	✓	✓	✓	✓	20	≥ 1,000	
35	✓	✓	✓	✓	20	≥ 1,000	
42	✓	✓	✓	✓	30	≥ 1,000	
54	✓	✓	✓	✓	30	≥ 1,000	
76.1	✓	—	✓	—	30	≥ 2,000	
88.9	✓	—	✓	—	30	≥ 2,000	
108	✓	✓	✓	—	30	≥ 2,000	

d Outer diameter

L Length

✓ Applies

— Does not apply

Table 6: Dimensions for fire-retardant seal with section insulation in lightweight walls and solid walls, penetrated by Geberit Mapress Carbon Steel system pipe

d [mm]	Geberit Mapress Carbon Steel system pipe			ROCKWOOL 800 snap-on pipe section		Fire resistance class
	Outside zinc- plated	Plastic-jacketed	Inside and outside zinc- plated	Intensity [mm]	L [mm]	
12	✓	✓	—	20	≥ 1,000	EI 90-U/C E 90-U/C
15	✓	✓	✓	20	≥ 1,000	
18	✓	✓	✓	20	≥ 1,000	
22	✓	✓	✓	20	≥ 1,000	
28	✓	✓	✓	20	≥ 1,000	
35	✓	✓	✓	20	≥ 1,000	
42	✓	✓	✓	30	≥ 1,000	
54	✓	✓	✓	30	≥ 1,000	
66.7	✓	—	—	30	≥ 2,000	
76.1	✓	—	✓	30	≥ 2,000	
88.9	✓	—	✓	30	≥ 2,000	
108	✓	—	✓	30	≥ 2,000	

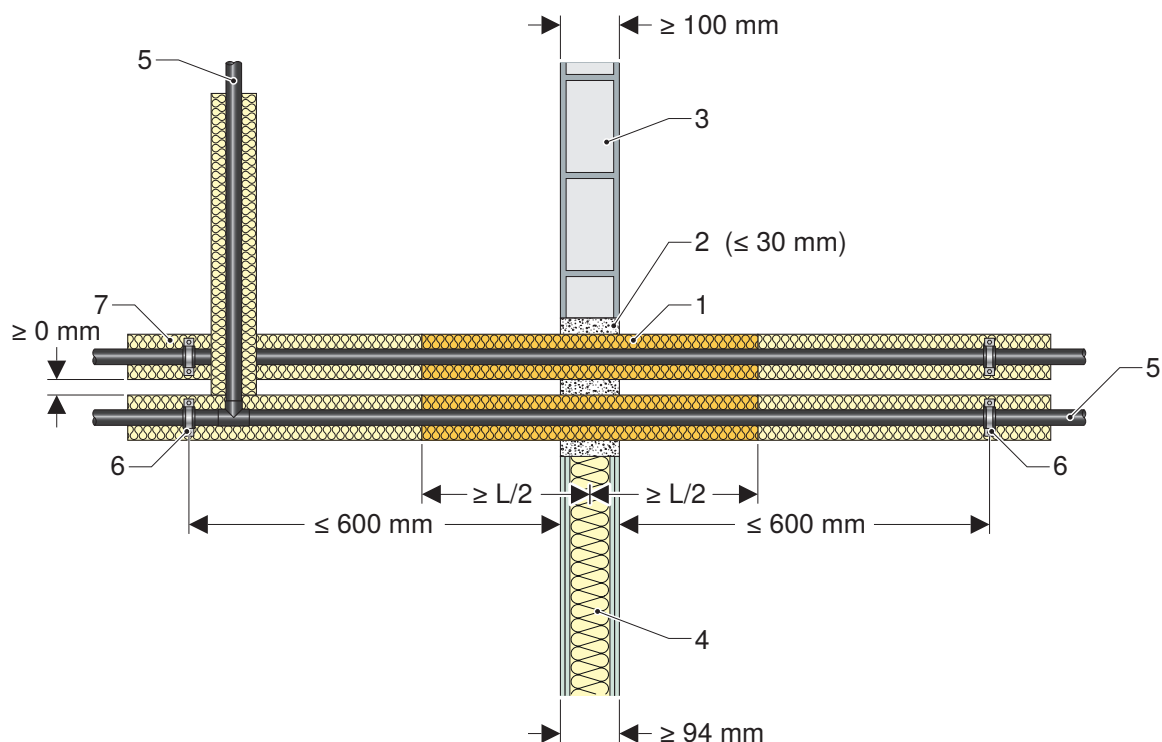
d Outer diameter

L Length

✓ Applies

— Does not apply

Wall feed-through for Geberit multilayer pipes – symmetrical insulation



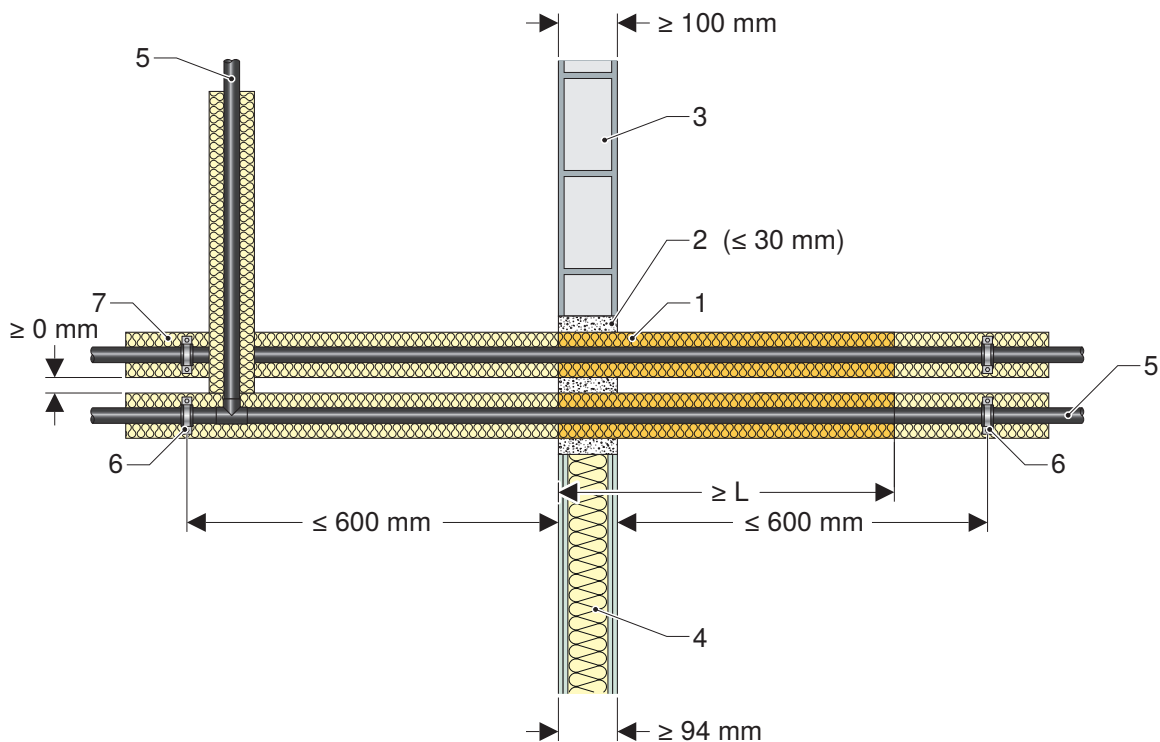
- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid wall → see "Solid walls", page 5
- 4 Lightweight wall → see "Lightweight walls", page 6
- 5 Geberit Mepla system pipe, ML, Geberit Mepla system pipe, ML, MeplaTherm, Geberit system pipe, ML, Geberit system pipe, ML, Therm or Geberit PushFit system pipe, ML → see "System pipes", page 8
- 6 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 7 Further insulation → see "Length of the section insulation", page 9

Table 7: Dimensions for fire-retardant seal with section insulation in lightweight walls and solid walls, penetrated by Geberit multilayer pipe

d [mm]	Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	Geberit system pipe, ML and system pipe, ML, Therm	Geberit PushFit system pipe, ML	ROCKWOOL 800 snap-on pipe section		Fire resistance class
				Intensity [mm]	L [mm]	
16	✓	✓	✓	20–80	≥ 500	EI 90-U/C E 90-U/C
20	✓	✓	✓	20–80	≥ 500	
25	—	✓	✓	20–80	≥ 500	
26	✓	—	—	20–80	≥ 500	
32	✓	✓	—	20–80	≥ 500	
40	✓	✓	—	20–80	≥ 500	
50	✓	✓	—	20–80	≥ 500	
63	—	✓	—	20–80	≥ 500	
	✓	—	—	30–80		
75	✓	✓	—	30–80	≥ 500	

- d Outer diameter
- L Length
- ✓ Applies
- Does not apply

Wall feed-through for Geberit multilayer pipes – asymmetrical insulation



- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation",
page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid wall → see "Solid walls", page 5
- 4 Lightweight wall → see "Lightweight walls", page 6
- 5 Geberit Mepla system pipe, ML, Geberit Mepla system pipe, ML, MeplaTherm, Geberit system pipe, ML, Geberit
system pipe, ML, Therm or Geberit PushFit system pipe, ML → see "System pipes", page 8
- 6 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 7 Further insulation → see "Length of the section insulation", page 9

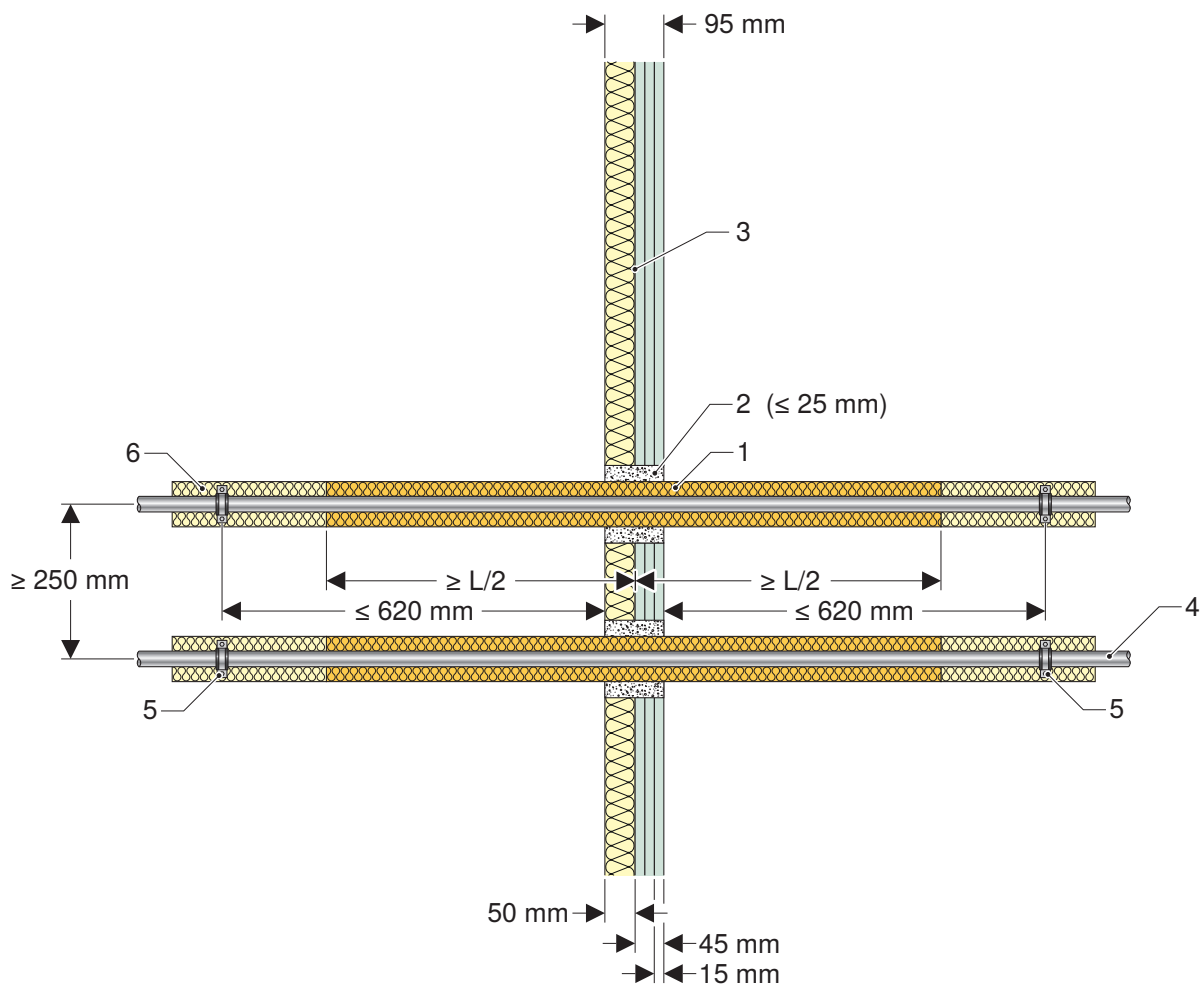
Table 8: Dimensions for fire-retardant seal with section insulation in lightweight walls and solid walls, penetrated by Geberit multilayer pipe

d [mm]	Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	Geberit PushFit system pipe, ML, Geberit system pipe, ML and system pipe, ML, Therm		ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Lightweight walls	Solid walls	Intensity [mm]	L [mm]	
16	✓	✓	✓	20	≥ 500	EI 90-U/C E 90-U/C
20	✓	✓	✓	20	≥ 500	
25	—	—	✓	20	≥ 500	
26	✓	—	—	20	≥ 500	

- d Outer diameter
- L Length
- ✓ Applies
- Does not apply

Fire-retardant seal with section insulation in duct walls

Duct feed-through for Geberit Mapress system pipes – symmetrical insulation



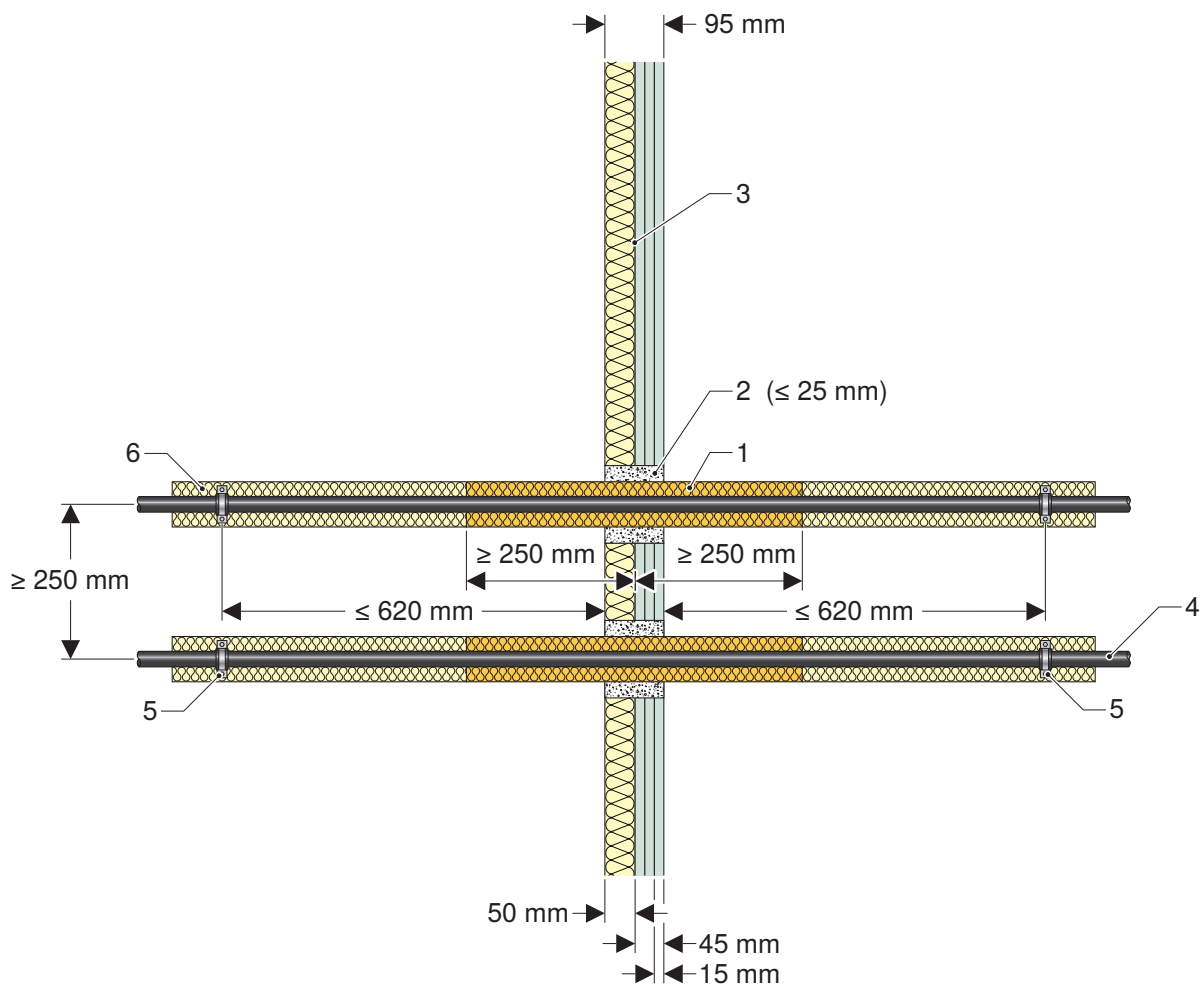
- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Duct wall with steel frame → see "Duct walls", page 7
- 4 Geberit Mapress system pipe → see "System pipes", page 8
- 5 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 6 Additional insulation → see "Length of the section insulation", page 9

Table 9: Dimensions for fire-retardant seal with section insulation in duct walls, penetrated by Geberit Mapress system pipes

d [mm]	Geberit Mapress Stainless Steel system pipe 1.4301/1.4401/1.45 21	Geberit Mapress Carbon Steel system pipe			ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Outside zinc-plated	Plastic- jacketed	Inside and outside zinc-plated	Thickness [mm]	L [mm]	
15	✓	✓	—	✓	20	≥ 1,000	EI 90-U/C E 90-U/C
18	✓	✓	—	✓	20	≥ 1,000	
22	✓	✓	✓	✓	20	≥ 1,000	
28	✓	✓	✓	✓	20	≥ 1,000	
35	—	✓	✓	✓	20	≥ 1,000	
42	—	✓	✓	✓	30	≥ 1,000	
54	—	✓	✓	✓	30	≥ 1,000	

- d Outer diameter
- L Length
- ✓ Can be used
- Cannot be used

Duct feed-through for Geberit multilayer pipes – symmetrical insulation



- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Duct wall with steel frame → see "Duct walls", page 7
- 4 Geberit Mepla system pipe, ML or Geberit Mepla system pipe, ML, MeplaTherm → see "System pipes", page 8
- 5 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 6 Further insulation → see "Length of the section insulation", page 9

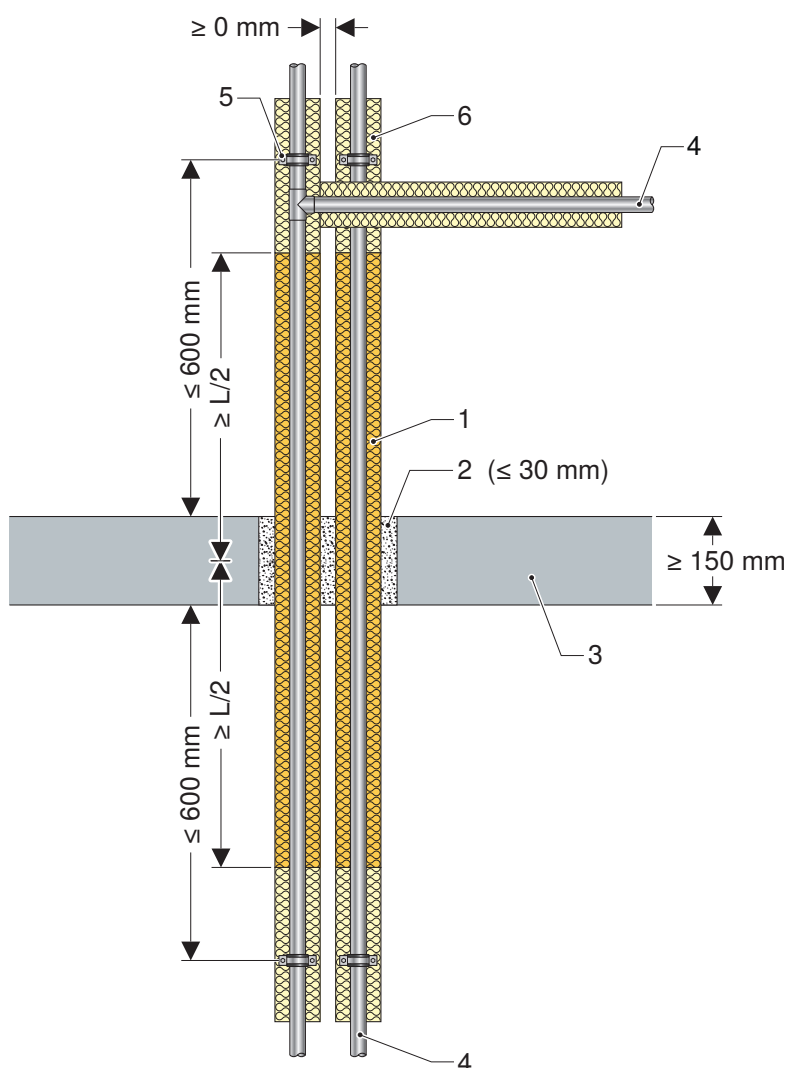
Table 10: Dimensions for fire-retardant seal with section insulation in duct walls, penetrated by Geberit multilayer pipe

d [mm]	Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	
20	✓	20	≥ 500	EI 90-U/C E 90-U/C
26	✓	20	≥ 500	
32	✓	20	≥ 500	
40	✓	20	≥ 500	
50	✓	30	≥ 500	

- d Outer diameter
- s Wall thickness
- L Length

Fire-retardant seal with section insulation in solid floors

Ceiling feed-through for Geberit Mapress system pipes – symmetrical insulation



- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid floor → see "Solid floors", page 7
- 4 Geberit Mapress system pipe → see "System pipes", page 8
- 5 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 6 Further insulation → see "Length of the section insulation", page 9

Table 11: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe

d [mm]	Copper pipe	Geberit Mapress Stainless Steel system pipe			ROCKWOOL 800 snap-on pipe section		Fire resistance class
		1.4301	1.4401	1.4521	Intensity [mm]	L [mm]	
12	✓	—	✓	✓	20	≥ 1,000	EI 90-U/C E 90-U/C
15	✓	✓	✓	✓	20	≥ 1,000	
18	✓	✓	✓	✓	20	≥ 1,000	
22	✓	✓	✓	✓	20	≥ 1,000	
28	✓	✓	✓	✓	20	≥ 1,000	
35	✓	✓	✓	✓	20	≥ 1,000	
42	✓	✓	✓	✓	30	≥ 1,000	
54	✓	✓	✓	✓	30	≥ 1,000	
76.1	✓	—	✓	—	30	≥ 2,000	
88.9	✓	—	✓	—	30	≥ 2,000	
108	✓	✓	✓	—	30	≥ 2,000	

d Outer diameter

L Length

✓ Applies

— Does not apply

Table 12: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit Mapress Carbon Steel system pipe

d [mm]	Geberit Mapress Carbon Steel system pipe			ROCKWOOL 800 snap-on pipe section		Fire resistance class
	Outside zinc- plated	Plastic-jacketed	Inside and outside zinc- plated	Intensity [mm]	L [mm]	
12	✓	✓	—	20	≥ 1,000	EI 90-U/C E 90-U/C
15	✓	✓	✓	20	≥ 1,000	
18	✓	✓	✓	20	≥ 1,000	
22	✓	✓	✓	20	≥ 1,000	
28	✓	✓	✓	20	≥ 1,000	
35	✓	✓	✓	20	≥ 1,000	
42	✓	✓	✓	30	≥ 1,000	
54	✓	✓	✓	30	≥ 1,000	
66.7	✓	—	—	30	≥ 2,000	
76.1	✓	—	✓	30	≥ 2,000	
88.9	✓	—	✓	30	≥ 2,000	
108	✓	—	✓	30	≥ 2,000	

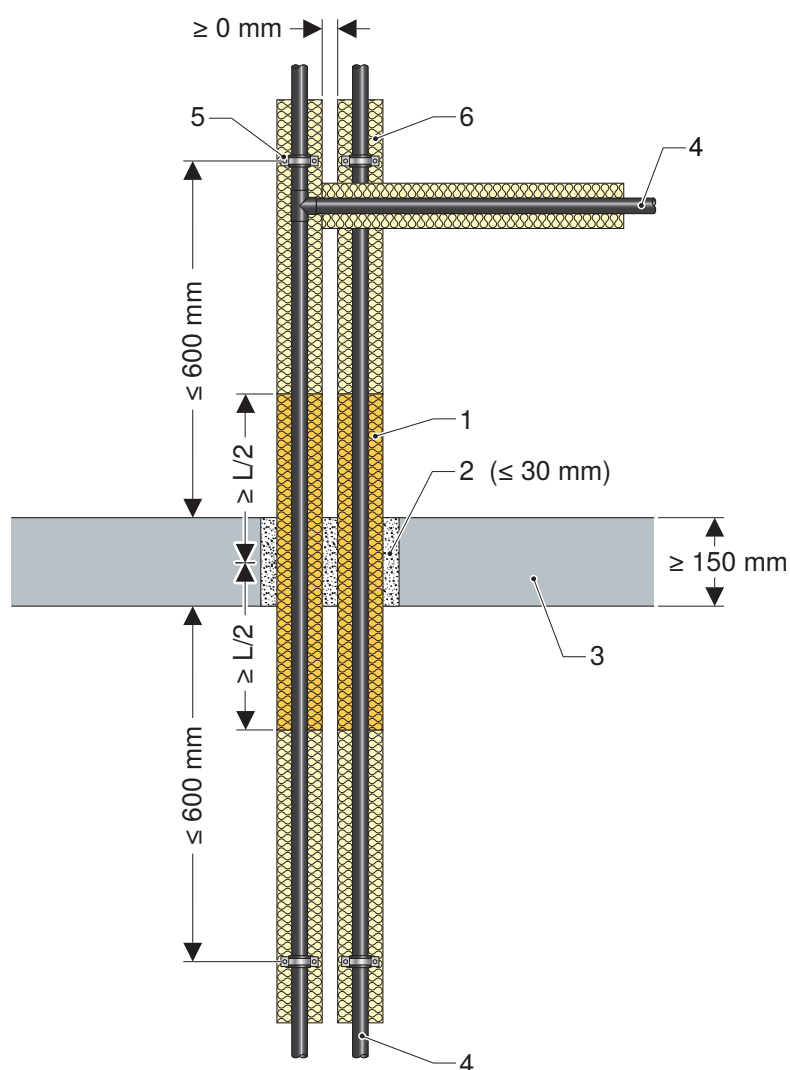
d Outer diameter

L Length

✓ Applies

— Does not apply

Ceiling feed-through for Geberit multilayer pipes – symmetrical insulation



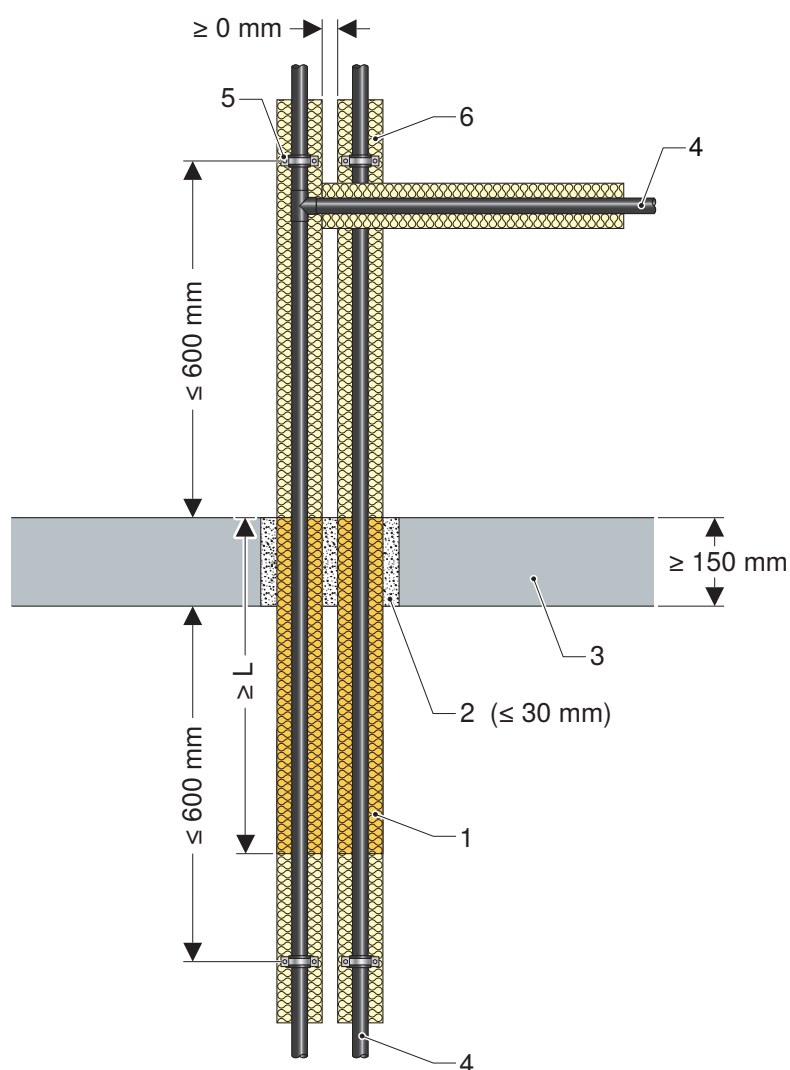
- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid floor → see "Solid floors", page 7
- 4 Geberit Mepla system pipe, ML, Geberit Mepla system pipe, ML, MeplaTherm, Geberit system pipe, ML, Geberit system pipe, ML, Therm or Geberit PushFit system pipe, ML → see "System pipes", page 8
- 5 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 6 Further insulation → see "Length of the section insulation", page 9

Table 13: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit multilayer pipe

d [mm]	Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	Geberit system pipe, ML and system pipe, ML, Therm	Geberit PushFit system pipe, ML	ROCKWOOL 800 snap-on pipe section		Fire resistance class
				Intensity [mm]	L [mm]	
16	✓	✓	✓	20–80	≥ 500	EI 90-U/C E 90-U/C
20	✓	✓	✓	20–80	≥ 500	
25	—	✓	✓	20–80	≥ 500	
26	✓	—	—	20–80	≥ 500	
32	✓	✓	—	20–80	≥ 500	
40	✓	✓	—	20–80	≥ 500	
50	✓	✓	—	20–80	≥ 500	
63	—	✓	—	20–80	≥ 500	
	✓	—	—	30–80	≥ 500	
75	✓	✓	—	30–80	≥ 500	

- d Outer diameter
- L Length
- ✓ Applies
- Does not apply

Ceiling feed-through for Geberit multilayer pipes – asymmetrical insulation



- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid floor → see "Solid floors", page 7
- 4 Geberit Mepla system pipe, ML, Geberit Mepla system pipe, ML, MeplaTherm, Geberit system pipe, ML, Geberit system pipe, ML, Therm or Geberit PushFit system pipe, ML → see "System pipes", page 8
- 5 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 6 Further insulation → see "Length of the section insulation", page 9

Table 14: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit multilayer pipe

d [mm]	Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	Geberit PushFit system pipe, ML, Geberit system pipe, ML and system pipe, ML, Therm		ROCKWOOL 800 snap-on pipe section		Fire resistance class
				Intensity [mm]	L [mm]	
16	✓	✓	✓	20	≥ 500	EI 90-U/C E 90-U/C
20	✓	✓	✓	20	≥ 500	
25	—	✓	✓	20	≥ 500	
26	✓	—	—	20	≥ 500	

- d Outer diameter
- L Length
- ✓ Applies

Ceiling feed-through for Geberit Mapress system pipes with diameter $\leq d54$ and branch fittings with Geberit multilayer pipe – symmetrical insulation

Technical drawing of a wall cross-section showing a vertical reinforcement bar (1) and a horizontal reinforcement bar (5). The drawing includes various dimensions and labels:

- 1**: Vertical reinforcement bar.
- 2**: Horizontal reinforcement bar, labeled $2 (\leq 30 \text{ mm})$.
- 3**: Horizontal reinforcement bar, labeled 3 .
- 4**: Horizontal reinforcement bar, labeled 4 .
- 5**: Horizontal reinforcement bar, labeled 5 .
- 6**: Horizontal reinforcement bar, labeled 6 .
- 7**: Horizontal reinforcement bar, labeled 7 .

Dimensions and labels:

- $\geq 0 \text{ mm}$ (top horizontal dimension)
- $\leq 600 \text{ mm}$ (vertical dimension on the left)
- $\geq 500 \text{ mm}$ (vertical dimension on the left)
- $\geq L/2$ (vertical dimension on the left)
- $\geq 340 \text{ mm}$ (horizontal dimension on the right)
- $< 500 \text{ mm}$ (horizontal dimension on the right)
- $\geq 150 \text{ mm}$ (horizontal dimension on the right)
- $\leq 600 \text{ mm}$ (vertical dimension on the left)
- $\geq L/2$ (vertical dimension on the left)

- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid floor → see "Solid floors", page 7
- 4 Geberit Mapress system pipe → see "System pipes", page 8
- 5 Geberit Mepla system pipe, ML, Geberit Mepla system pipe, ML, MeplaTherm, Geberit system pipe, ML, Geberit system pipe, ML, Therm, Geberit PushFit system pipe, ML or Geberit system pipe, PB → see "System pipes", page 8
- 6 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 7 Further insulation → see "Length of the section insulation", page 9

Table 15: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe and Geberit Mepla system pipe, ML or Geberit Mepla system pipe, ML, MeplaTherm branch pipe

Riser pipe				Branch pipe			
d [mm]	Copper pipe, Geberit Mapress Stainless Steel system pipe 1.4301/1.4401/1.4521	ROCKWOOL 800 snap-on pipe section		Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
28	✓	20	≥ 1,000	16 20	20	≥ 340	EI 120-U/C E 120-U/C
35	✓	20	≥ 1,000	16 20	20	≥ 340	EI 120-U/C E 120-U/C
42	✓	20	≥ 1,000	16 20 32	20	≥ 340	EI 120-U/C E 120-U/C
54	✓	30	≥ 1,000	16 20 32	20	≥ 340	EI 120-U/C E 120-U/C

d Outer diameter

L Length

✓ Applies

Table 16: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe and Geberit system pipe, ML or system pipe, ML, Therm branch pipe

Riser pipe				Branch pipe			
d [mm]	Copper pipe, Geberit Mapress Stainless Steel system pipe 1.4301/1.4401/1.4521	ROCKWOOL 800 snap-on pipe section		Geberit system pipe, ML and system pipe, ML, Therm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
28	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C
35	✓	20	≥ 1,000	20	20	≥ 340	EI 120-U/C E 120-U/C
				25			
				32			

Riser pipe				Branch pipe			
d [mm]	Copper pipe, Geberit Mapress Stainless Steel system pipe 1.4301/1.4401/1.4521	ROCKWOOL 800 snap-on pipe section		Geberit system pipe, ML and system pipe, ML, Therm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
42	✓	20	≥ 1,000	20	20	≥ 340	EI 120-U/C E 120-U/C
				25			
				32			
54	✓	30	≥ 1,000	20	20	≥ 340	EI 120-U/C E 120-U/C
				25			
				32			

2 / 2

d Outer diameter

L Length

✓ Applies

Table 17: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe and Geberit PushFit system pipe, ML or Geberit system pipe, PB branch pipe

Riser pipe				Branch pipe				
d [mm]	Copper pipe, Geberit Mapress Stainless Steel system pipe 1.4301/1.4401/1.4521	ROCKWOOL 800 snap-on pipe section		Geberit PushFit system pipe, ML and Geberit system pipe, PB	ROCKWOOL 800 snap-on pipe section		Fire resistance class	
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]		
28	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	
35	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	
42	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	
54	✓	30	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	

d Outer diameter

L Length

✓ Applies

Table 18: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit Mapress Carbon Steel system pipe and Geberit Mepla system pipe, ML or system pipe, ML, MeplaTherm branch pipe

Riser pipe				Branch pipe			
d [mm]	Geberit Mapress Carbon Steel outside zinc-plated system pipe and inside and outside zinc-plated system pipe	ROCKWOOL 800 snap-on pipe section		Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
28	✓	20	≥ 1,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
35	✓	20	≥ 1,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
42	✓	20	≥ 1,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
				32			
54	✓	30	≥ 1,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
				32			

- d Outer diameter
- L Length
- ✓ Applies

Table 19: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit Mapress Carbon Steel system pipe and Geberit system pipe, ML or system pipe, ML, Therm branch pipe

Riser pipe				Branch pipe			
d	Geberit Mapress Carbon Steel outside zinc-plated system pipe and inside and outside zinc-plated system pipe	ROCKWOOL 800 snap-on pipe section		Geberit system pipe, ML and system pipe, ML, Therm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
28	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C
35	✓	20	≥ 1,000	20 25 32	20	≥ 340	EI 120-U/C E 120-U/C
42	✓	20	≥ 1,000	20 25 32	20	≥ 340	EI 120-U/C E 120-U/C
54	✓	30	≥ 1,000	20 25 32	20	≥ 340	EI 120-U/C E 120-U/C

d Outer diameter

L Length

✓ Applies

Table 20: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit Mapress Carbon Steel system pipe and Geberit PushFit system pipe, ML or Geberit system pipe, PB branch pipe

Riser pipe				Branch pipe				
d	Geberit Mapress Carbon Steel outside zinc-plated system pipe and inside and outside zinc-plated system pipe	ROCKWOOL 800 snap-on pipe section		Geberit PushFit system pipe, ML and Geberit system pipe, PB	ROCKWOOL 800 snap-on pipe section		Fire resistance class	
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]		
28	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	
35	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	
42	✓	20	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	
54	✓	30	≥ 1,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C	

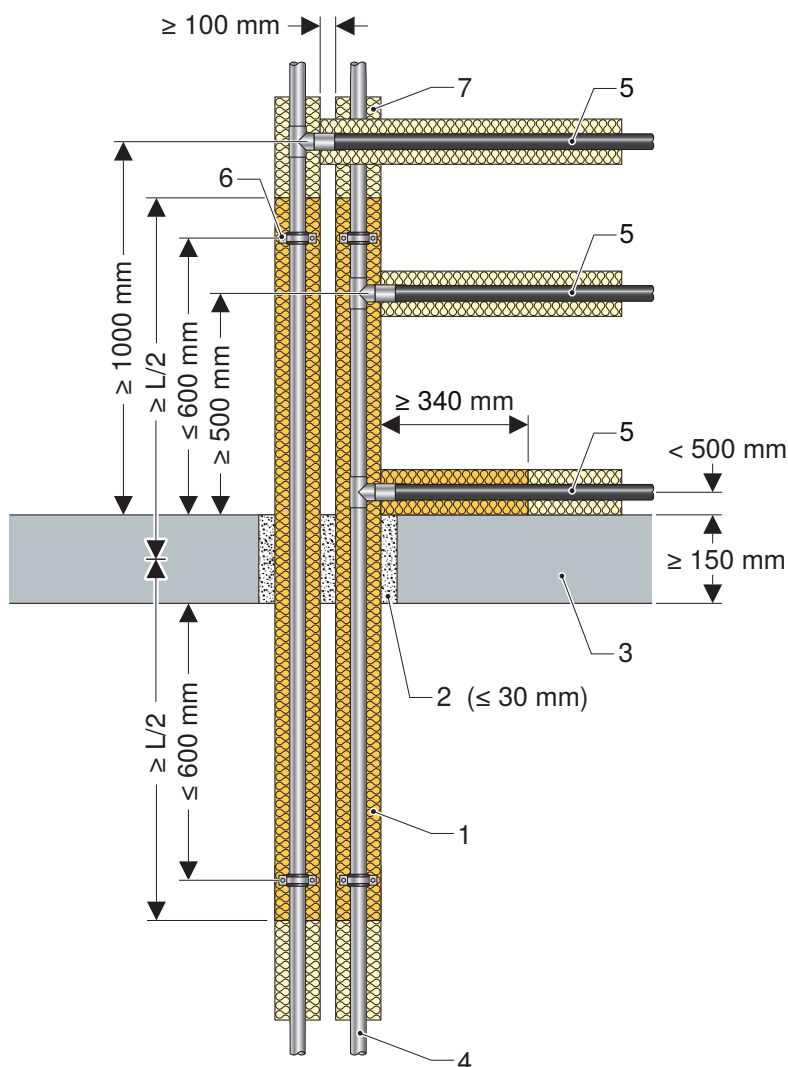
d Outer diameter

L Length

✓ Applies

Ceiling feed-through for Geberit Mapress system pipes with diameter > d54 and branch fittings with Geberit multilayer pipe – symmetrical insulation

Position of the branch fitting directly above the ceiling (insulated with ROCKWOOL 800) and ≥ 500 mm above the ceiling (insulated without fire protection requirement) and $\geq 1,000$ mm above the ceiling (insulated without fire protection requirement)



- 1 ROCKWOOL 800 snap-on pipe section → see "Snap-on pipe section", page 5, "Length of the section insulation", page 9, and "Thickness of the section insulation", page 9
- 2 Annular gap with joint filler → see "Annular gap", page 9, and "Joint filler", page 5
- 3 Solid floor → see "Solid floors", page 7
- 4 Geberit Mapress system pipe → see "System pipes", page 8
- 5 Geberit Mepla system pipe, ML, Geberit Mepla system pipe, ML, MeplaTherm, Geberit system pipe, ML, Geberit system pipe, ML, Therm, Geberit PushFit system pipe, ML or Geberit system pipe, PB → see "System pipes", page 8
- 6 Pipe support → see "Pipe supports", page 9, and "Pipe bracket", page 5
- 7 Further insulation → see "Length of the section insulation", page 9

Table 21: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe and Geberit Mepla system pipe, ML or Geberit Mepla system pipe, ML, MeplaTherm branch pipe

Riser pipe						Branch pipe			
d [mm]	Copper pipe	Geberit Mapress Stainless Steel system pipe		ROCKWOOL 800 snap-on pipe section		Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		1.4301	1.4401	Intensity [mm]	L	d [mm]	Intensity [mm]	L [mm]	
76.1	✓	—	✓	30	≥ 2,000	16	20	≥ 340	EI 90-U/C E 120-U/C
						20			
						32			
88.9	✓	—	✓	30	≥ 2,000	16	20	≥ 340	EI 90-U/C E 120-U/C
						20			
						32			
108	✓	✓	✓	30	≥ 2,000	16	20	≥ 340	EI 90-U/C E 120-U/C
						20			
						32			

d Outer diameter

L Length

✓ Applies

— Does not apply

Table 22: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by copper pipe or Geberit Mapress Stainless Steel system pipe and Geberit system pipe, PB branch pipe

Riser pipe						Branch pipe			
d [mm]	Copper pipe	Geberit Mapress Stainless Steel system pipe		ROCKWOOL 800 snap-on pipe section		Geberit system pipe, PB	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		1.4301	1.4401	Intensity [mm]	L	d [mm]	Intensity [mm]	L [mm]	
76.1	✓	—	✓	30	≥ 2,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C
88.9	✓	—	✓	30	≥ 2,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C
108	✓	✓	✓	30	≥ 2,000	20 25	20	≥ 340	EI 120-U/C E 120-U/C

d Outer diameter

L Length

✓ Applies

— Does not apply

Table 23: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit Mapress Carbon Steel system pipe and Geberit Mepla system pipe, ML or Geberit Mepla system pipe, ML, MeplaTherm branch pipe

Riser pipe				Branch pipe			
d [mm]	Geberit Mapress Carbon Steel outside zinc-plated system pipe and inside and outside zinc-plated system pipe	ROCKWOOL 800 snap-on pipe section		Geberit Mepla system pipe, ML and system pipe, ML, MeplaTherm	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
76.1	✓	30	≥ 2,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
				32			
88.9	✓	30	≥ 2,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
				32			
108	✓	30	≥ 2,000	16	20	≥ 340	EI 120-U/C E 120-U/C
				20			
				32			

d Outer diameter

L Length

✓ Applies

— Does not apply

Table 24: Dimensions for fire-retardant seal with section insulation in solid floors, penetrated by Geberit Mapress Carbon Steel system pipe and Geberit system pipe, PB branch pipe

Riser pipe				Branch pipe			
d [mm]	Geberit Mapress Carbon Steel outside zinc-plated system pipe and inside and outside zinc-plated system pipe	ROCKWOOL 800 snap-on pipe section		Geberit system pipe, PB	ROCKWOOL 800 snap-on pipe section		Fire resistance class
		Intensity [mm]	L [mm]	d [mm]	Intensity [mm]	L [mm]	
76.1	✓	30	≥ 2,000	20	20	≥ 340	EI 120-U/C E 120-U/C
				25			
88.9	✓	30	≥ 2,000	20	20	≥ 340	EI 120-U/C E 120-U/C
				25			
108	✓	30	≥ 2,000	20	20	≥ 340	EI 120-U/C E 120-U/C
				25			

d Outer diameter

L Length

✓ Applies

Declaration of performance and CE marking

CE marking on construction products

In accordance with the Construction Products Regulation (EU) no. 305/2011, a CE marking must be affixed to the construction product. If the type of construction product does not permit this, the CE marking can also form part of the accompanying documents.

CE marking of the fire-retardant seal with section insulation

The fire-retardant seal with section insulation consists of several components from different suppliers, which are mounted on-site. This is why a CE marking is not affixed to the construction product. The CE marking is contained in this document.

			
		21	
		Geberit International AG Schachenstrasse 77 CH-8645 Jona, Switzerland www.geberit.com/declarations	
		ETA-14/0126 dated 26/04/2021 for fire-retardant seal with section insulation comprising: • ROCKWOOL 800 snap-on pipe section • Joint filler • Geberit system pipes: – Geberit Mapress Stainless Steel system pipe CrNi (1.4301) – Geberit Mapress Stainless Steel system pipe CrNiMo (1.4401) – Geberit Mapress Stainless Steel system pipe CrMoTi (1.4521) – Geberit Mapress Carbon Steel system pipe, outside zinc-plated – Geberit Mapress Carbon Steel system pipe, inside and outside zinc-plated – Geberit Mapress Carbon Steel system pipe, plastic-jacketed – Geberit Mepla system pipe ML – Geberit Mepla system pipe ML, MeplaTherm – Geberit system pipe PB – Geberit system pipe ML – Geberit system pipe ML, Therm – Geberit PushFit system pipe ML • Copper pipe (metal pipe class A1)	
		DoP 85	

Essential characteristics	Performance	Technical specification
Reaction to fire	A2 _L -s1, d0	EN 13501-1:2018
Fire resistance	See the European Technical Assessment annexes: D-1 to D-17, F-1 to F-17 and H-1 to M-9 as well as 3.1.2	EN 13501-2:2016
Air permeability	NPD ¹⁾	EAD 350454-00-1104
Water permeability	NPD ¹⁾	
Content, emission and/or release of dangerous substances	NPD ¹⁾	
Mechanical resistance and stability	NPD ¹⁾	
Resistance to impact/movement	NPD ¹⁾	
Adhesion	NPD ¹⁾	
Durability	Fulfilled, see Annex 3.3.4	
Airborne sound insulation	NPD ¹⁾	
Thermal properties	NPD ¹⁾	
Water vapour permeability	NPD ¹⁾	

1) No performance determined

EAD 350454-00-1104 'Fire protection products for sealing and closing joints and openings and for holding back fire – fire-retardant seals'
Notified body no. 0716

The 'fire-retardant seal with section insulation' is intended for use as a penetration seal for the temporary or permanent maintenance of fire resistance at openings in lightweight wall constructions, solid wall constructions, duct walls and ceilings in solid constructions, through which the different metal pipes and multilayer pipes are fed.

