

Application overview – Geberit Mepla

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| Application purposes | Operating temperature | Maximum operating pressure | Pipes | | | Fittings | | | | O-rings | Flat gaskets for screw connections | Flange gaskets |
|--|--------------------------|---------------------------------|-----------------|---------------------|--|-----------------|-----------------|-----------------|-----------------|------------------|------------------------------------|--------------------------|
| | | | Mepla, ML | MeplaTherm, ML, NPW | | Plastic | Gunmetal | Brass | Stainless steel | EPDM, black | Fibre composite material | Fibre composite material |
| Liquid media | | | | | | | | | | | | |
| For cold and hot potable water | 0–70 °C ³⁾ | 10 bar / 1000 kPa | ✓ | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| For cold potable water | 0–20 °C | 16 bar / 1600 kPa ⁶⁾ | ✓ | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| For cooling and heating water without antifreeze agent | 0–80 °C ⁴⁾ | 10 bar / 1000 kPa | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| For cooling and heating water with antifreeze agent | -10–+40 °C ⁵⁾ | 10 bar / 1000 kPa | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| For service water and process water | 0–70 °C | 10 bar / 1000 kPa | 7) | 7) | | 7) | 7) | | 7) | 7) | 7) | 7) |
| For treated water ¹⁾ | 0–70 °C | 10 bar / 1000 kPa | ✓ ⁸⁾ | ✓ ⁸⁾ | | ✓ ⁸⁾ | ✓ ⁸⁾ | | ✓ ⁸⁾ | ✓ ⁸⁾ | ✓ ⁸⁾ | ✓ ⁸⁾ |
| For rainwater with a pH value of > 6.0 | 0–70 °C | 10 bar / 1000 kPa | ✓ | ✓ | | ✓ | ✓ ⁹⁾ | ✓ ⁹⁾ | ✓ | ✓ | ✓ | ✓ |
| For seawater | 0–70 °C | 10 bar / 1000 kPa | ✓ | ✓ | | ✓ | | | | ✓ | ✓ | ✓ |
| For chemicals and technical liquids | Upon request | Upon request | 7) | 7) | | 7) | 7) | 7) | 7) | 7) | 7) | 7) |
| Gaseous media | | | | | | | | | | | | |
| For compressed air (oil purity class 0–3) | 0–70 °C | 10 bar / 1000 kPa | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ ¹⁰⁾ | ✓ | ✓ |
| For negative pressure ²⁾ | 0–70 °C | Abs. ≥ 0.2 bar / 20 kPa | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

✓ Application generally approved if the defined additional requirements are met in accordance with the footnotes

¹⁾ Range of application according to Technical Information (TI) "Treated waters"

²⁾ Usable negative pressure for Geberit piping systems:

The usable negative pressure is calculated on the basis of the air pressure at the place of installation minus the absolute pressure of 200 mbar.

Example: 980 mbar air pressure - 200 mbar absolute pressure = 780 mbar usable negative pressure in the piping system

³⁾ Malfunction temperature in accordance with EN 806-2: Tmal = 95 °C, total 100 h over the course of the service life

⁴⁾ Malfunction temperature in accordance with ISO 10508:2006: Tmal = 100 °C, total 100 h over the course of the service life

⁵⁾ Higher temperatures after Geberit approval only

⁶⁾ 10 bar / 1000 kPa for MasterFix and MeplaFix

⁷⁾ Following Geberit approval

⁸⁾ Application range according to TI "Treated Waters"

⁹⁾ pH value ≥ 7.0 permissible in connection with brass

¹⁰⁾ Oil purity class in accordance with ISO 8573-1:2010E; for details on moisture and particles, see technical information "Geberit Piping Systems for Compressed Air Installations"



- The operating conditions specified in the relevant approvals, standards and technical regulations must be observed for each application. These may deviate from the aforementioned specifications