

MD1-FttH multi duct



The Filoform MD1-FttH multi duct is designed for gas and watertight sealing of FttH home entries with a maximum of 4 subducts and cables.

The sealing cap can be applied to the wall by using the special anchoring pin. This way it is not necessary to drill additional holes and to secure the cap with screws.

A gas and watertight seal is created with use of Filoform expanding PU resin type 2234. The resin package contains the right amount of resin to secure an optimal sealing. After mixing the resin and filling the cap it will start expanding. Within 30 minutes the resin will fully cure into a strong and durable seal. Any irregularities or damage to wall will be restored with the resin.

Features

- Universal, suitable for a maximum of 4 micro ducts and cables
- Expansion along the borehole and on the outer wall guarantees an excellent seal
- Tested 2.0 bar Gas & Watertight
- Quick installation in minutes, no special tools required
- No extensive core drilling necessary
- Also suitable for angled penetrations
- Suitable for sealing holes in the most common wall types according to DIN 18533 and walls made from WU-Concrete, load class 1 and 2 (Watertight pressure 2,0 bar)
- Complies with DIN 18322 underground cable laying works: cable and conduit entries into buildings are to be made watertight and gastight
- High mechanical strength, resists ground movement, shocks and vibrations
- Supplied as one complete kit for sealing of one house connection
- Over 30 years of practical experience, installed in many Telecom / FO network



Specifications

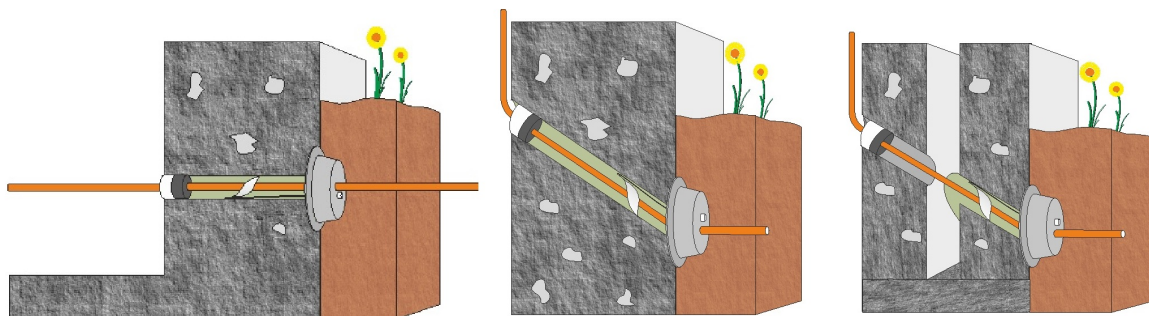
Dimensions cap

| Outer diameter | Inner diameter | Height |
|----------------|----------------|--------|
| 132 mm | 106 mm | 30 mm |

Specifications expanding resin

| Properties | Unit | Value |
|--------------------------------------|-----------------------------------|----------------|
| Start time expansion | seconds | > 95 |
| End time expansion | minutes | 15 |
| Compressive strength | N / cm ² | > 100 |
| Gas and water tightness 1,0bar | 30 days | no leakage |
| Gas and water tightness 2,0bar | 24 hours | no leakage |
| Volume consistency | cube 10 x 10cm | no change |
| temperature Cycles, -20°C tot +40°C | 10 consecutive cycles | no leakage |
| Vibration test 10 Hz/amplitude 3mm | 240 hours | no leakage |
| axial tensile force | diameter x 10 N | no leakage |
| Resistance to bending | cables 45° in 2 directions >250mm | no leakage |
| Expansion polyurethane foam in pipe | cm | < 40 |
| Temperature resistance | °C | +120 |
| Chemical resistance | | |
| 0,1N Na ₂ SO ₄ | 30 days | no degradation |
| 0,1N NaCl | 30 days | no degradation |
| 0,1N H ₂ SO ₄ | 30 days | no degradation |
| 0,1N NaOH | 30 days | no degradation |
| Diesel | 30 days | no degradation |
| Gasonline | 30 days | no degradation |
| Resistance | | |
| Molds | | good |
| Rodents | | good |
| Shelf life | months | minimal 30 |

More info



[Download: MSDS safety sheet Expanding Resin](#)

Products

| Art.nr. | Product Name | Duct diameter min.-max. (mm) | Order unit |
|---------|----------------------------|------------------------------|------------|
| 80216UK | MD1 FttH 4x12,5mm / 1x20mm | Ø 32-50 | per piece |
| 80217UK | MD1 FttH 4x4-8mm | Ø 16-32 | per piece |