

# 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 by 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

### Set contents

Art.nr. 80217	Art.nr. 80216
MD1-FttH 4x4-8mm	MD1-FttH 4x12,5 / 1x20mm
Art.nr. 80217.2	
SET - MD1-FttH + FttH entry 90° for 2x7mm	

### 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 <sup>2</sup>	> 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 <sub>2</sub> SO <sub>4</sub>	30 days	no degradation
0,1N NaCl	30 days	no degradation
0,1N H <sub>2</sub> SO <sub>4</sub>	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

### Assembly instructions

- [80217 - MD1-FttH 4x4-8mm](#)
- [80216 - MD1-FttH 4x12,5 / 1x20mm](#)
- [80217.2 - MD1-FttH + 90° entry 2x7mm](#)

### Material Safety Data Sheet

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

## Products

Art.nr.	Product Name	Duct diameter min.-max. (mm)	Maximum cable or pipe diameter in the duct (mm)	Order unit
80217	MD1 FttH 4x4-8mm	Ø 16-32	4x4-8mm	per piece
80216	MD1 FttH 4x12,5mm / 1x20mm	Ø 32-50	4x12,5mm / 1x20mm	per piece
80217.2	SET - MD1-FttH + FttH entry 90° for 2x7mm	Ø 22-32	2x7mm	per set