

# PRODUCT SPECIFICATION

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## EUROLAN Microduct Accessories

### FiloSeal+HD Fire

Duct sealing system FiloSeal+HD FIRE is our new highly certified fire, gas and water sealing system for both ducts and transit frames

- Up to 4 hours fire resistance in transit frames (single side)
- Up to 4 hours fire resistance in ducts
- Tested to BS EN1366-3 2009
- Upto 2 bar Pressure Resistance
- 100Kg pulling Force on the cables when sealed
- 10xd at 45°, with 1 bar pressure bending test



FiloSeal+HD FIRE provides a strong support system using the fire resistant hexagonal blocks made of our specially formulated material called 'Formite' which builds up like a honeycomb structure. FiloSeal+HD FIRE is suitable for sealing empty or any cable configuration or pipes contained in one duct and also allows easy re-entry of the seal to add or remove cables or pipes as required

The Filoform duct sealing system FiloSeal+HD FIRE uses our fire resistant MD+ sealant which is easily applied from a skeleton gun. The high quality, one component, flexible sealant "MD+" is based on a silicon compound that cures with air (Humidity).

After application and full curing the thixotropic MD+ forms a plastic elastomer mass with special qualities effectively sealing and bonding, while providing a high level of durability.

FiloSeal+HD FIRE is very easy to apply regardless of the type of cable scenario in the cable ducts as it uses strong, but flexible hexagonal blocks to support the cable and provide a strong backing for the seal

The unique design of the hexagonal blocks makes positioning and separation of the cables very simple while also providing a strong backing for the MD+ to be applied on.

- Fire resistant (BS EN1366-3 2009)
- Flexible, one component fire resistant adhesive and sealing compound in a cartridge - (310ml)
- High levels of Gas and Water tightness
- Excellent adhesion
- Resistant against Water, Alkaline, Chemical agents
- Resistant to termites (Mastotermes Darwiniensis) Northern Australian termites
- Resistant to Rats
- Resistant to Hydrogen Sulphide / Methane and many other Gases (NedLab)
- Non corrosive
- Solvent free
- Shock absorbing
- Non toxic, neutral and almost odourless
- Also suitable for limiting the EX-zones during transitions (observe chemical resistance)
- Suitable for any shaped duct / bore hole / opening
- Quick and easy installation
- A complete kit
- Seals all known materials, PVC & PE sheathed cables, PILC
- Suitable for renovations, can be installed retrospectively
- Over 25 years of operational experience

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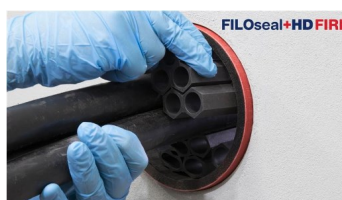
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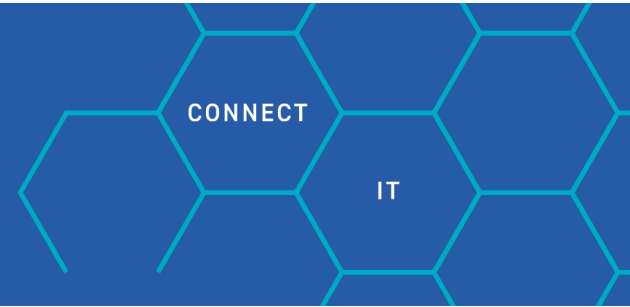
## EUROLAN Microduct Accessories FiloSeal+HD Fire

Ordering information				
Part number	E-number	Description	Duct Ø min.-max (mm)	No of hexagonal tubes
80206	1480601	SEALING FILOSEAL+HD FIRE 110MM	110 max	Small: 10 Large: 20
80207	1480602	SEALING FILOSEAL+HD FIRE 160MM	160 max	Small: 10 Large: 40
80235	1480603	SEALING FILOSEAL+HD FIRE 180MM	180 max	Small: 20 Large: 60
80236	1480604	SEALING FILOSEAL+HD FIRE 200MM	200 max	Small: 20 Large: 65
80237	1480606	SEALING FILOSEAL+HD FIRE 225MM	225 max	Small: 20 Large: 80
80238	1480607	SEALING FILOSEAL+HD FIRE 250MM	250 max	Small: 30 Large: 100

Except for the tube and the hexagonal blocks, each set also contains sanding paper, sponge, cleaning cloth and gloves.



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## EUROLAN Microduct Accessories FiloSeal+HD Fire specification

Fire resistant duct sealant MD+		
Density	1.2 gr/cm <sup>3</sup>	
Pressure resistance	up to 2 bar	
Pulling Force	100kg (1000 newtons)	
Bend Test	10xd at 45°, with 1 bar pressure	
Flow	< 2mm	ISO 7390
Colour	red-brown	
Skin over time (23C/55%RH)	± 15 minutes	
Curing	3 mm / 24 hours	
Hardness	30 shore A	DIN 53505
Elongation	100%	DIN 53504
Tensile strength	0.8 N/mm <sup>2</sup>	DIN 53504
Operating temperature	+5°C tot +40°C	
Temperature resistance	-40°C tot +120°C	

### Formite hexagonal blocks

- Material - Mixture of substances (Non Hazardous) – graphite based
- Resistant to humidity & atmospheric influences
- Free of organic solvents
- Zero halogen
- Colour - Black / gray
- Properties - Flexible

#### Small hexagonal block

Dimensions single tube is O/D = 18mm I/D = 11.5mm, Length 60mm

#### Large hexagonal block

Dimensions single tube is O/D = 27mm I/D = 18.5mm, Length 60mm

