

# 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

Tested to AS1530.4-2014 (Australian / New Zealand fire standard)

Tested to London Underground - LUL S1085

Tested to European rail applications - BS EN 45545

Tested to French rail standard Clt NF F16-101

Tested to Smoke index - ISO 5659-2:2012

Tested to Oxygen index - BS EN ISO 4589-2:1999

Up to 2 bar pressure resistance

100Kg pulling force on the cables when sealed

10xd at 45°, with 1 bar pressure bending test

Engineered duct sealing solution

## Features

- Fire resistant - tested to BS EN1366-3 2009
- Fire resistant - tested to AS1530.4-2014 (Australian / New Zealand fire standard)
- Tested to London Underground - LUL S1085
- Tested to European rail applications - BS EN 45545-2:2013
- Tested to French rail standard Cit NF F16-101
- Tested to Smoke index - ISO 5659-2:2012
- Tested to Oxygen index - BE EN ISO 4589-2:1999 (High Oxygen index)
- WIMES Compliant (3.02 2013 6.4.3.2 b)
- Flexible, one component fire resistant adhesive and sealing compound in a cartridge - (310ml)
- Kits are complete with backing and mastic to fill an empty duct of the quoted kit size
- High levels of Gas and Water tightness
- Excellent adhesion, applicable to all common building materials
- 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)
- Complies with 2011 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A) on Raceway Seals, and 501.15 (B)(2)
- Suitable for any shaped duct/borehole/opening
- Quick and easy installation
- A complete kit
- Seals all know materials, PVC & PE sheathed cables, PILC, (HD) PE pipes
- Engineered duct sealing solution
- Suitable for renovations, can be installed retrospectively
- Over 25 years of operational experience

# FILOSeal+HD FIRE

## Specifications

### Fire resistant duct sealant MD+

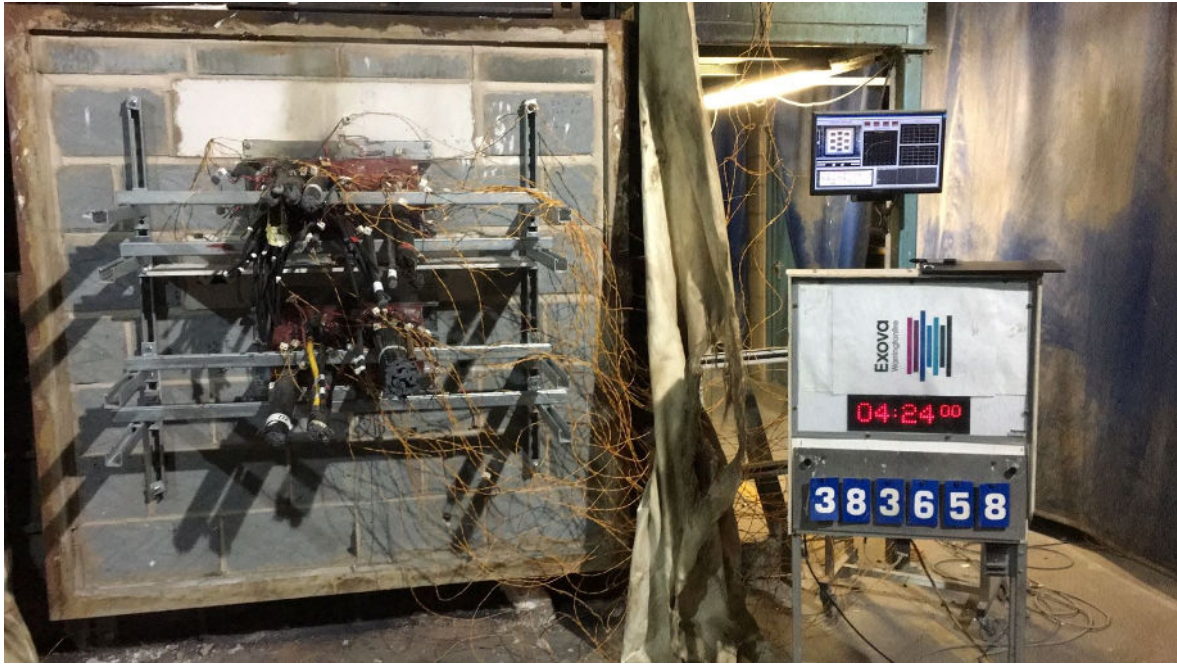
Density	1.2 gr/cm <sup>3</sup>	
Pressure resistance	up to 2 bar	
Pulling Force	100kg (1000 newtons)	
Bend Test	10xd at 45°, with 1 bar pressure	
Flow	< 2mm	ISO 7390
Colour	red-brown	
Skin over time (23C/55%RH)	± 15 minutes	
Curing	3 mm / 24 hours	
Hardness	30 shore A	DIN 53505
Elongation	100%	DIN 53504
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	

Kits are complete with backing and mastic to fill an empty duct of the quoted kit size

## More info

[Download: FiloSeal+ disclaimer](#)

### Photos of the BS EN1366-3 2009 test at Exova Warringtonfire



## Products

Art.nr.	Product Name	Duct diameter min.-max. (mm)	Order unit
280070	FiloSeal+HD FIRE - 75mm > 110mm	Ø 110 max.	per piece
280080	FiloSeal+HD FIRE - 125mm > 160mm	Ø 160 max.	per piece
280090	FiloSeal+HD FIRE - 180mm	Ø 180 max.	per piece
280100	FiloSeal+HD FIRE - 200mm	Ø 200 max.	per piece
280110	FiloSeal+HD FIRE - 225mm	Ø 225 max.	per piece
280120	FiloSeal+HD FIRE - 250mm	Ø 250 max.	per piece