

# 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 CIt 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 known 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+

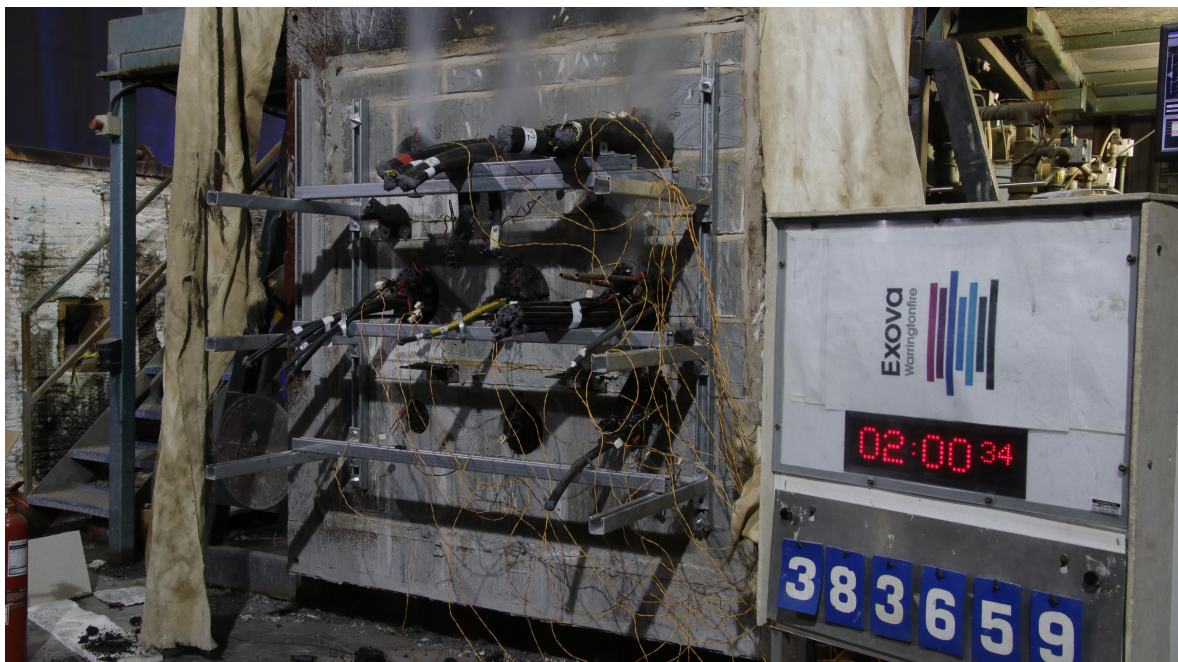
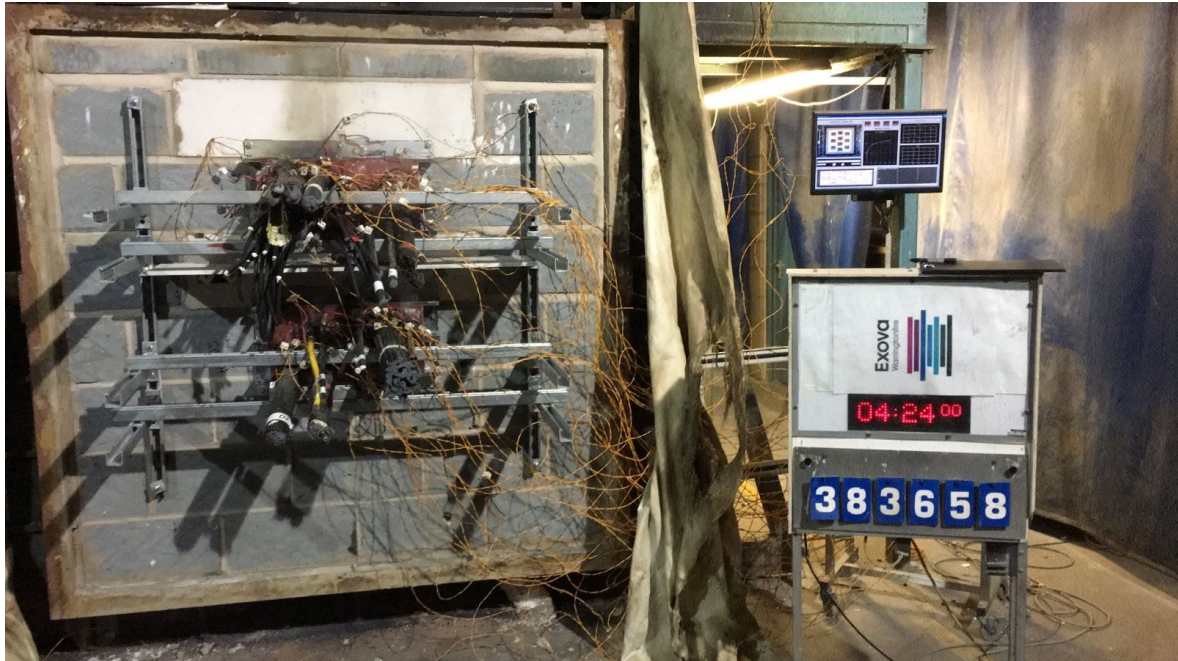
|                            |                                  |           |
|----------------------------|----------------------------------|-----------|
| Density                    | 1.2 gr/cm <sup>3</sup>           |           |
| Pressure resistance        | up to 2 bar                      |           |
| 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<br>min.-max. (mm) | Order unit |
|---------|-------------------------------------|---------------------------------|------------|
| 280070  | FiloSeal+HD FIRE -<br>75mm > 110mm  | Ø 110 max.                      | per piece  |
| 280080  | FiloSeal+HD FIRE -<br>125mm > 160mm | Ø 160 max.                      | per piece  |
| 280090  | FiloSeal+HD FIRE -<br>180mm         | Ø 180 max.                      | per piece  |
| 280100  | FiloSeal+HD FIRE -<br>200mm         | Ø 200 max.                      | per piece  |
| 280110  | FiloSeal+HD FIRE -<br>225mm         | Ø 225 max.                      | per piece  |
| 280120  | FiloSeal+HD FIRE -<br>250mm         | Ø 250 max.                      | per piece  |