

HIGH-PERFORMANCE INTUMESCENT FIRESTOP SEALANT FS-ONE MAX

Product description

- Intumescent (expands when exposed to fire) firestop sealant that helps protect combustible and non-combustible penetrations for up to 4 hours fire rating

Applications for use

- For effectively sealing most common through penetrations in a variety of base materials
- For use on concrete, masonry and drywall
- Mixed and multiple penetrations
- Metal pipe penetrations: copper, steel and EMT
- Insulated metal pipe penetrations: steel and copper
- Plastic pipe penetrations: closed or vented

Advantages

- One product for a variety of common through penetrations
- Cost-effective, easy-to-use solution
- Water-based and paintable
- Industry-leading VOC results
- Ethylene glycol-free

Installation instructions

- See Hilti literature or third-party listings for complete application and installation details

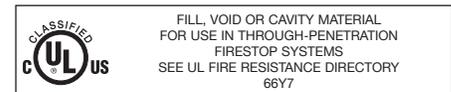


Technical Data*

| | |
|---|---|
| Chemical basis | Water-based acrylic dispersion |
| Approx. Density | 84.3 lb/ft ³ |
| Color | Red |
| Approx. cure time¹⁾ | 2mm / 3 days |
| Application temperature range²⁾ | 35°F to 104° (1.5°C to 40°C) |
| Temperature resistance range | -4°F to 212°F (-20°C to 100°C) |
| Storage Temperature | 35°F to 77°F (1.5°C to 25°C) |
| Tack free time | 20mins (@ 73°F / 50% rel. humidity) |
| Shelf life | 18 months |
| Temperature resistance range | -4°F to 212°F |
| Mold and mildew performance | Class 0 (ASTM G21-13) |
| Mold and mildew resistant | Yes |
| Expansion ratio (unrestricted, up to) | 1:5 |
| Paintable | Yes |
| Chemical resistance | Yes |
| Electrical resistance | Yes |
| FBC compatible (Lubrizol) | Yes |
| Intumescent | Yes |
| W-rating | Yes |
| M-rated | Yes |
| LEED VOC (input) | 9 g/L |
| LEED V4 Compliant | Yes (CDPH v1.2-2017) |
| STC rating (ASTM E90) | 62 (relates to specific construction) |
| Movement | ±7.5% |
| Surface burning characteristics (ASTM E 84-14) | Flame Spread: 0 Smoke Development: 10 |
| California State Fire Marshal approval | CSFM Listing 4485-1200:0108 for FS-ONE MAX Intumescent Firestop Sealant |
| Tested in accordance with | ASTM G21, ASTM E 90, CAN/ULC-S115, UL 1479, ASTM E 814 , ASTM E84 |

Order Information

| Designation | Qty per package | Item number |
|-------------------------------|---|-------------|
| FS-ONE MAX 10oz tube (1 case) | 12x Firestop sealant FS-ONE MAX 10 oz cartridge | 3530249 |
| FS-ONE MAX 20oz foil (1 case) | 25x Firestop sealant FS-ONE MAX 20 oz foil | 3530250 |
| FS-ONE MAX 10 oz cartridge | 1x Firestop sealant FS-ONE MAX 10 oz cartridge | 2101531 |
| FS-ONE MAX 5 gallon pail | 1x Firestop sealant FS-ONE MAX 5 gallon pail | 2101533 |



Intertek



Chemical resistant



Mold and mildew resistant



Volume per unit:

- Caulk tube = 10.5 fl. oz (18.9in³)
- Foil = 600ml (36.4in³)
- Pail = 5gal (1,155in³)

1) At 75°F (24°C) and 50% relative humidity

2) For ambient and surface temperatures between 10°F (-12°C) and 35°F (1.5°C), the following conditions must apply:

- Substrate surfaces are clean and dry (e.g. free of dust, rust, grease, oil, dew, frost, ice, moisture, etc);
- Product maintained above 50°F (10°C) for a minimum of 24 hours prior to application;
- Product will not cure at ambient temperatures below 32°F / 0°C