

# 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

- US-produced: “Buy American” compliant
- 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

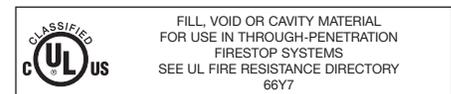
## Technical Data\*

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



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Chemical resistant



Mold and mildew resistant



### Volume per unit:

- Caulk tube = 10.5 fl. oz. (18.9in<sup>3</sup>)
- Foil = 600ml (36.4in<sup>3</sup>)
- Pail = 5gal (1,155in<sup>3</sup>)

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