

MFS - Marine Firestop Sealant

TECHNICAL DATA SHEET

A single component, flexible, hybrid-polymer firestop sealant for use as a penetration seal in fire-rated bulkheads and decks.

Product Features

- Tested to 2010 IMO FTP Code, Annex 1, Part 3 (Class A-0 through A-60 and H-0 through H-120 Bulkheads and Decks)
- Flexible to accommodate vibration
- Resistant to aging and weathering
- Non-corrosive and non-conductive
- Fast Curing
- Ozone and UV Resistant
- For interior or exterior penetrations
- Excellent chemical resistance protects in polluted or corrosive environments
- Provides superior sealing function to prevent the passage of fire, smoke, hot gases, sound, conditioned air, and water
- Easy to install and easy to repair; Auto-Bonding

Installation Instructions

General Notes: Read Safety Data Sheets (SDS) and product label for safe handling. For further information regarding installation requirements, please refer to the corresponding Type Approvals.

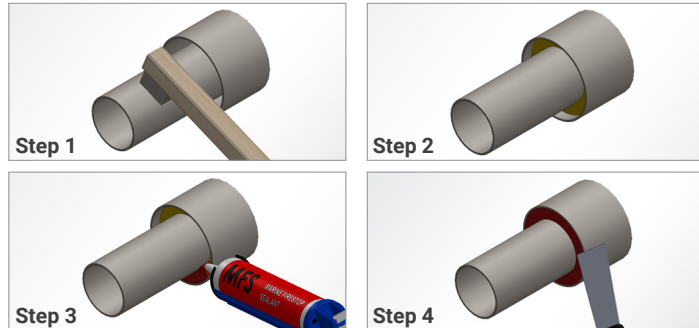
Step 1: All surfaces shall be clean, sound, dry, frost-free, and free of bond-breaking contaminants and loose material.

Step 2: Install backing material (as required).

Step 3: Install MFS sealant.

Step 4: Smooth sealant surface with trowel or tooling knife before skin forms.

Note: Min. 6 mm spacing needed for water and gastightness

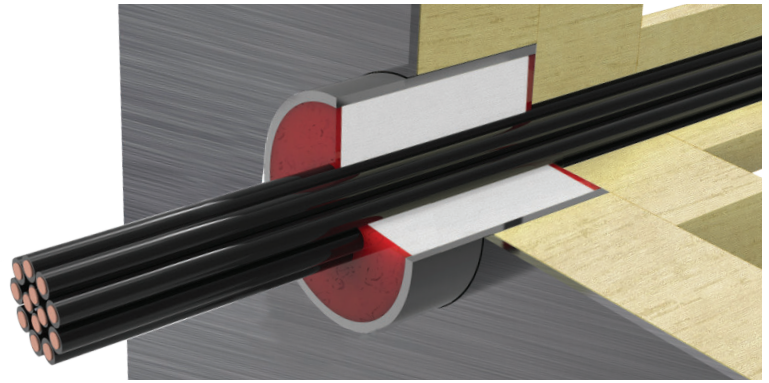


Limitations

Although designed to be safe for use with plastic pipes, due to formula variations and different polymer technologies, physical compatibility has not been evaluated. Consult plastic pipe manufacturer for known sensitivities or potential restrictions before applying this product.

Maintenance

This product is maintenance free. Observed damage can be repaired with MFS Sealant per the original approved design.



PHYSICAL PROPERTIES - AS SUPPLIED

Consistency	Paste
Percent Solids	>99.0%
VOC (ASTM D2369)	11 g/L (<2%)
Tooling Time	15-20 Minutes
Tack Free (ASTM C679 @ 77°F/50%RH)	2-3 Hours
Storage Temperature	4°C (40°F) to 35°C (95°F)
Application Temperature	4°C (40°F) to 65°C (149°F)
Shelf Life	18 Months
Density	1.5 kg/L (12.5 lbs/gal)
Viscosity	400,000 - 600,000 cps

PHYSICAL PROPERTIES - CURED

Color	Red (MFS100, MFS120) or Black (MFS100BLK)
In Service Temperature	-40°C (-40°F) to 93°C (200°F)
Movement (ASTM C719)	25%
Flame Spread (ASTM E84/UL723)	<25
Smoke Development (ASTM E84/UL723)	<50

Accelerated Aging tested to
ASTM E1641 & ASTM E1877
(Using Thermogravimetric
Analysis (TGA) @ 20°C)

>30 Years

Third Party Approvals



ORDERING INFORMATION

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
MFS100	730573413104	Marine Firestop Sealant packed in a 9.5 oz. Caulking Tube (17.1 cu. in., 281 ml)	1	12	0.53 kg (1.16 lbs)
MFS100BLK	730573413104	Marine Firestop Sealant packed in a 9.5 oz. Caulking Tube (17.1 cu. in., 281 ml)	1	12	0.53 kg (1.16 lbs)
MFS120	730573413128	Marine Firestop Sealant packed in a 20 oz. Sausage Tube (36.1 cu. in., 590 ml)	1	12	0.97 kg (2.14 lbs)

*Custom colors may be available. Minimum order quantities apply.



STI Marine Firestop. • Somerville, NJ 08876 USA • Toll Free: (800)-992-1180 • Outside US: +1-908-526-8000
Warranty Information: www.stimarine.com/legal/warranty • MADE IN THE USA – © 2019 STI Marine Firestop
www.stimarine.com • ZSFOD5192 2059 • Page 1 of 1