

Plastic pipe penetration seal for fire-rated bulkheads and decks.

Product Features

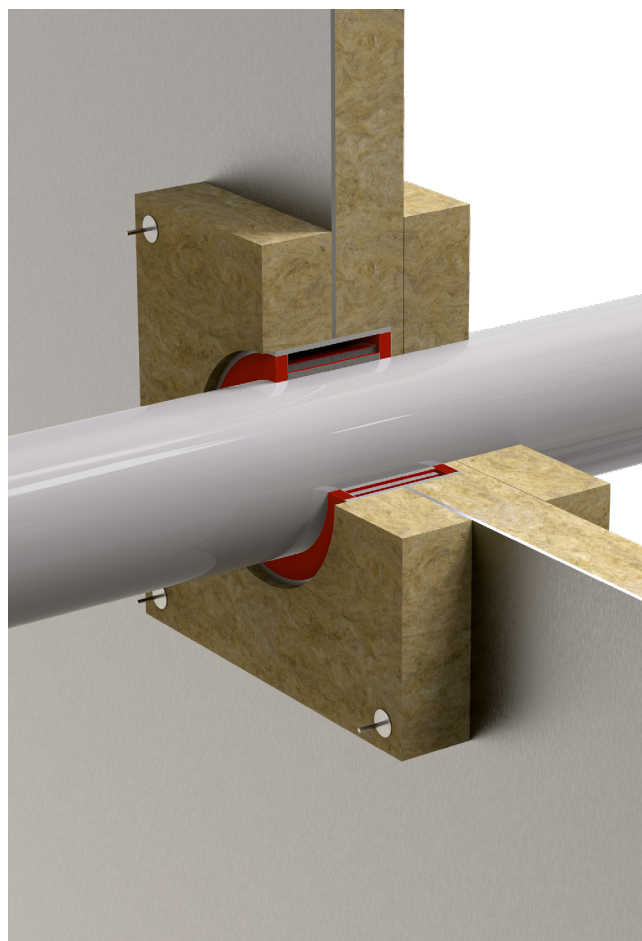
- Tested to 2010 IMO FTP Code, Annex 1, Part 3 (Class A-0 through A-60 Bulkheads and Decks).
- Water and gastight
- Flexible to accommodate vibration
- Resistant to aging and weathering
- Non-corrosive and non-conductive
- Fast curing
- Ozone and UV resistant
- For interior or exterior penetrations
- Safe, environmentally friendly formula; halogen-free
- Easy to install and easy to repair; auto-bonding
- 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

PHYSICAL PROPERTIES - MWS MARINE WRAP STRIP

Color	Red
Thickness	6.4 mm (0.25 in.)
Expansion Begins	160°C (320°F)
Volume Expansion	30 to 60 times
In Service Temperature	<54°C (<129.2°F)
Storage Temperature	<49°C (<120.2°F)
Shelf Life	No Limit

PHYSICAL PROPERTIES - MFS MARINE FIRESTOP SEALANT - 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 - MFS MARINE FIRESTOP SEALANT - 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	>20 years

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 bondbreaking contaminants and loose material.
 Step 2: Install two layers of MWS Marine Wrap Strip around the pipe on both sides of sleeve, recessed min 12.7 mm to accommodate sealant.

Step 3: Install MFS Marine Firestop Sealant to min 12.7 mm depth on both sides, flush with sleeve ends.

Step 4: Smooth sealant surface before skin forms.

Limitations

This product has been designed to be safe with plastics. It has been used extensively and successfully with various types of plastic pipes, tubes, and plastic cable insulations. Variations in these materials, however, make it impossible to guarantee compatibility. STI strongly recommends that the user consults with the pipe, tubing, or cable manufacturer in question regarding any known sensitivities or potential restrictions before applying this product.

Maintenance

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

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)
MWS250	730573440049	MWS Marine Wrap Strip, 6.4 mm thick x 50 mm wide x 365 cm (0.25" x 2" x 144")	1	8	1.52 kg (3.34 lbs)

*Minimum order quantities may apply for MFS120 sausage tubes and custom colors.