

# MPACT®

The Fastest and Most Flexible Fire and Watertight Sealing System For Fire-Rated Bulkheads & 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)
- Quick and easy to install
- Safe and simple to clean up
- Provides water and gastight ratings for pipes and cables
- Conforms to virtually any condition including irregularly spaced penetrants

### Product Features - MFB-B Marine Filler Blanket

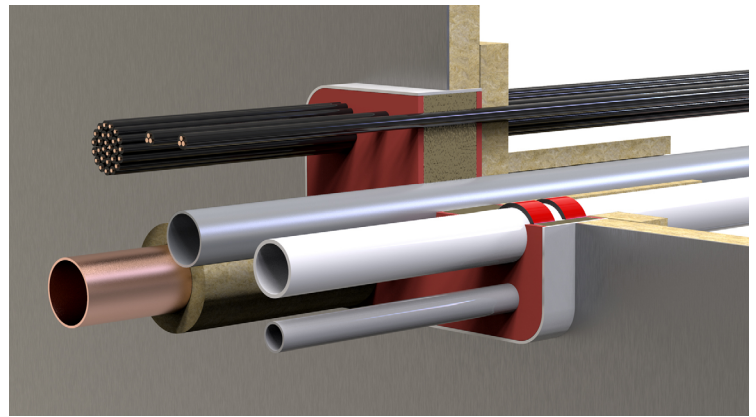
- Convenient roll form can be cut-to-length
- Packs easily between penetrants
- Better for adhesion than traditional fibrous packing materials
- Supple, non-friable and asbestos-free

### Product Features - MFS Marine Firestop Sealant

- Advanced hybrid polymer sealant technology
- Offers better water resistance than conventional silicone sealants
- Forms a tight seal; prevents transmission of air, smoke and gases
- Safe, environmentally friendly formula; halogen-free
- Ozone and UV resistant; suitable for interior or exterior penetrations
- Easy to install and easy to repair; Auto-Bonding

### Product Features - MWS Marine Wrap Strip

- Economical solution for firestopping combustible penetrants
- Provides rapid intumescent expansion
- Ideal for nonmetallic pipes or pipe insulation
- Flexible; Conforms to penetrants



### 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 @ 77F/50RH)	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
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

### 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 - MFB-B MARINE FILLER BLANKET

Color	Brown
Thickness	25 mm (1 in.)
Density	160 kg/m <sup>3</sup> (10 pcf)
Noncombustible (IMO 2010 FTP, Part 1)	Yes
In Service Temperature	<750°C (<1023°F)
Fiber Melting Temperature	>1450°C (>2642°F)
IARC Classification	Group 3: Not Classifiable as Carcinogenic to Humans (Biosoluble Fiber)
Shelf Life	No Limit



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## Installation Instructions

General Notes: Read Safety Data Sheets (SDS) and product label for safe handling. For further information regarding installation requirements, please refer to Installation Sheet No. ZIS1323 and the corresponding Type Approvals.

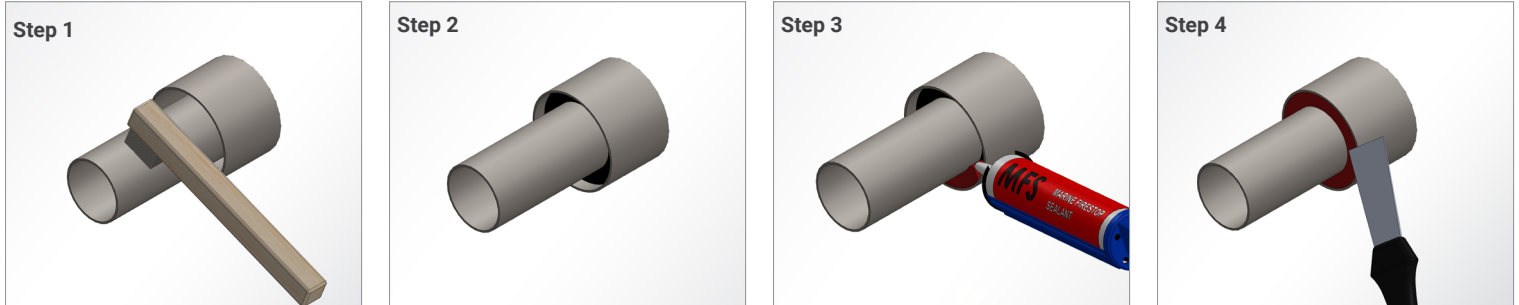
Step 1: All surfaces shall be clean, sound, dry, frost-free, and free of bond-breaking contaminants and loose material.

Step 2: Install MFB-B Marine Filler Blanket and Marine Wrap Strip (as required).

Step 3: Install MFS Marine Firestop Sealant.

Step 4: Smooth sealant surface using a trowel, tooling knife, wet low lint rag, or by hand with soapy water (and latex gloves, if preferred).

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



## Maintenance

Maintenance free. Observed damage can be repaired per the original approved design.

## 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.

## Third Party Approvals



## ORDERING INFORMATION

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
MFS100	730573413104	MFS Marine Firestop Sealant, red*, 281 mL cartridge (9.5 oz/17.1 cubic inch)	1	12	0.53 kg (1.16 lbs)
MFB530B	730573950814	MFB-B Marine Filler Blanket, packing material, 12.7 cm x 914 cm (5" x 360") roll	1	5	6.35 kg (14.00 lbs)
MFB730B	730573950821	MFB-B Marine Filler Blanket, 17.8 cm x 914 cm (7" x 360") roll	1	3	8.30 kg (18.30 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.

