

TP FS-MC Caulk Grade Sealant & TP FS-MS Mastic Spray Sealant



■ Product Description

TP FS-MC and TP FS-MS are a single component, general purpose fire rated sealant for construction joints such as top of the wall, curtain wall perimeter, expansion, control, etc. and for general construction gaps and voids. They are a water based sealants.

TP FS-MS mastic spray is designed for spray applications and provides a fast, economical means of installation on long joint runs.

TP FS-MC caulk grade is a non-sag sealant that is easy to apply from a caulk gun or troweled. It cures to an elastomeric membrane seal that is suitable where dynamic movement is expected.

In the event of a fire, TP FS-MC & TP FS-MS will prevent the spread of flames, smoke, hot gases, and water through the joint openings. No dilution or mixing is required for use.

TP FS-MC & TP FS-MS can be caulked from a tube, brushed or troweled from the pail or applied with a spray pump.

TP FS-MC & TP FS-MS systems are rated for up to 4 hours conditions in accordance with ASTM E1966/UL 2079 (Tests for Fire Resistance of Building Joint Systems) test standards. TP FS-MC & TP FS-MS have been cycled 500 times, meeting the new ASTM E1399 standard. Also tested in accordance with ASTM E 814 (UL 1479) for systems up to 3 hours.

TP FS-MC & TP FS-MS are protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

Item Number	Description	Size
TP 1503	TP FS-MC Caulk Grade Sealant	30oz caulk tube (304.6ml) - white
TP 1532	TP FS-MC Caulk Grade Sealant	30oz caulk tube (304.6ml) - red
TP 1500	TP FS-MC Caulk Grade Sealant	5 gallon pails (18.9L) - white - caulk
TP 1530	TP FS-MC Caulk Grade Sealant	5 gallon pails (18.9L) - red - caulk
TP 1501	TP FS-MS Mastic Spray Sealant	5 gallon pails (18.9L) - white - spray
TP 1531	TP FS-MS Mastic Spray Sealant	5 gallon pails (18.9L) - red - spray



TP FS-MC



TP FS-MS

Use TP FS-MC & MS for various applications:

- Curtain Wall Joints
- HVAC Ductwork
- Top of the Wall Construction Joints
- Deflection Track Wall Systems

For a complete list of product applications or for additional technical information, call TEAM PRO for the latest information.

■ Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Application	Spray, Caulk, Brush or Trowel
Color	Red or White
Cure Time	5 to 7 days (1/8" at 77°F/25°C)
Density	~10.5 lbs./gal.
Flexible	Yes
Skin over Time	30-45 min. (at 77°F/25°C)
PH Value	7 to 8

■ Applications

TP FS-MC & MS can be used as a general purpose fire rated sealant and smoke seal for construction joints on both vertical and horizontal surfaces. TP FS-MC & MS are also an excellent fire rated acoustical sealants and can be used in areas under constant vibration.

TP FS-MC & TP FS-MS Features:

- Sprayable, Brushable, Trowelable or Caulkable
- Paintable
- Freeze-thaw
- VOC Compliant
- Water based
- Excellent Smoke Seal
- Flexible - Elastomeric
- 3 Years Shelf Life

Volume Coverage (at 1/8" wet depth):

■ Per Square Foot	18 cu. in.
■ Per 20.2 oz.	36 cu. in.
■ Per 30 oz.	54 cu. in.
■ Per Quart	58 cu. in.
■ Per 5 gallon pail	1155 cu. in.
VOC	Negligible

ASTM E 90-99, UL 723 Tunnel Test

Flame Spread	5
Smoke Index	5

Sound Transmission Class STC Rating 65*

**Tested in a UL 411 wall assembly/section to ASTM E90.*

■ Installation Data

Tightly pack with the appropriate backing material as listed in the selected UL System design. There should be no loose insulation, voids or gaps present. Apply the required coating thickness to completely cover backing material.

Consult UL Directory for complete instructions and system listings.

For TP FS-MS spray application, use recommended spray equipment.

When system clean-up is needed, follow manufacturer's instructions for specific equipment used.

NOTE: spray equipment can be dangerous! use only properly trained personnel.

Follow all safety and operation instructions and procedures.

■ Testing Data

TP FS-MC & TP FS-MS have been listed by UL.

For specific test criteria, refer to the UL Fire Resistance Directory or call TEAM PRO.

TP FS-MC & TP FS-MS were tested at positive pressure with a minimum 0.01 inches (2.5 Pa) water and in accordance with UL 2079 test standards.

■ Storage & Handling

TP FS-MC & TP FS-MS should be stored in unopened container between 35°F (2°C) and 120°F (49°C) to obtain a 3 years shelf life.

NOTE: Do not dilute; no mixing is required. Best if protected from freezing. If freezing occurs, thaw completely before use. Keep products stored under protective cover in original containers.

■ Limitations

TP FS-MC & TP FS-MS are not designed to be used in areas under continuous immersion or in areas which would be continuously wet.

TP FS-MC & TP FS-MS should not be used on hot uninsulated surfaces above 200°F (93°C).

■ Cautions

For chemical emergency, spill, leak, fire, exposure or accident, get immediate medical attention.

Precautions: Do not take internally. May be harmful if swallowed. May cause eye and skin irritation. Wear gloves and safety glasses. Wash after handling. **FIRST AID:** For any overexposure or if skin irritation develops get immediate medical attention.

Eyes - Flush 15 minutes with clean water. **Skin** - Wash with soap and water. **Ingestion** - Call physician immediately **SPILLS:** Clean up immediately with scrapers and water. **STORAGE AND HANDLING:** Keep container upright and tightly closed. Do not reuse empty container. **KEEP OUT OF REACH OF CHILDREN.**

TP FS-MC & TP FS-MS COVERAGE RATE:

Note: Coverage rates as given are mathematical calculations.

Allow for application losses, opening size variations and applied thickness variations. (Verify all calculations)

Based on 3" fluted metal deck with 3/4" relief joint.

For additional information, refer to Safety Data Sheet.

For additional technical service: www.team-pro.com or info@team-pro.com

Opening Width (inches)	*Coverage Rate in Lineal Feet Per Gallon at Application Thickness of: 1/8 inch
1/2"	102
3/4"	88
1"	77
1 1/2"	61
2"	51
2 1/2"	44
3"	38
3 1/2"	34
4"	30
5"	25
6"	22

**Calculation includes 1/2" overlap along both edges of opening*

■ Limited Warranty

TEAM PRO makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF TEAM PRO. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and TEAM PRO shall not be liable for incidental or consequential damages.

Suggestions and recommendations covering the use of our products are based on our laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances.