

# TP FS-IS INTUMESCENT SEALANT

## ■ Product Description



TP FS-IS is a one component, general purpose fire rated sealant and smoke seal for construction joints and through-penetrations. TP FS-IS is a water based, extremely intumescent, non-sag caulking grade sealant that is easy to apply as well as to retrofit. It cures to an elastomeric seal that is suitable where dynamic movement is expected.

In the event of a fire, TP FS-IS will prevent the spread of flames, smoke, hot gases and water through joint openings and through penetrations. No dilution or mixing is required for use. No special skills are necessary for installation.

TP FS-IS is applied with a conventional caulking gun, bulk loading gun or can be troweled from the pail. For large applications, it can be pumped directly from the pail. TP FS-IS systems are rated for 1, 2, 3 and 4 hours in accordance with the ASTM E814 (UL 1479) and ASTM E1966 (UL 2079) test standards.

TP FS-IS is 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 1533	TP FS-IS Intumescent Sealant	10.3oz caulk tube (304.6ml)
TP 1504	TP FS-IS Intumescent Sealant	30oz caulk tube ( 887.2ml)
TP 1502	TP FS-IS Intumescent Sealant	5 gallon pails (18.9L)

### Use TP FS-IS intumescent sealant for various applications:

- Top of the Wall Construction Joints
- Deflection Track Wall Systems
- Up to 2" (51 mm) PVC\CPVC (Open)
- Up to 3" (76 mm) PVC\CPVC & ABS (Closed)
- Cross linked Polyethylene (PEX) tubing
- Steel, Copper, Cast Iron and EMT Pipe
- Flexible Conduit
- Fiberglass Insulated Pipe
- Armaflex Insulated Pipe
- Telephone, Communication and Power Cables
- HVAC Ductwork.

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



### TP FS-IS Features:

- Water Based
- Excellent Freeze-Thaw
- Flexible Set
- Highly Intumescent
- Paintable
- VOC Compliant
- Safe and Easy to Use
- 3 Years Shelf Life

## ■ Material Properties

Asbestos Fillers	None	Skin over Time	30 min. (at 77°F/25°C)
Solvents	None	PH Value	6.5 to 7
Hazardous Ingredients	None		
Application	Gun or Trowel	<b>Volume Coverage:</b>	
Activation of Intumescence:		■ For 10.3 oz. tube (304 ml)	18 cu. in. (295 cm <sup>3</sup> )
Expansion Begins	375°F (190°C)	■ For 5 gallon (18.9 liter)	1155 cu. in. (5000 cu. cm/L)
Expansion Greatest	575°F (302°C) to 1100°F (593°C)	VOC	Negligible
Expansion Ratio (TR024 clause 3.1.11 Method 1 at 550°C for 30min with top load/HP)	1:18	<b>ASTM E 90-99, 723 Tunnel Test</b>	
Color	Red	Flame Spread	5
Cure Time	3 to 4 weeks (at 77°F/ 25°C)	Smoke Index	10
Density	~11 lbs/gal (1.3 kg/L)	<b>Sound Transmission Class STC Rating</b>	<b>62*</b>
Elastomeric	Yes		
Freeze-Thaw	Excellent		

## ■ Applications

TP FS-IS can be used in interior applications as a general purpose fire rated sealant and smoke seal for construction joints on both vertical and horizontal surfaces.

TP FS-IS is also an excellent fire rated acoustical sealant and can be used in areas under constant vibration or movement.

TP FS-IS can also be used on various penetrations such as EMT, telephone & power cables, insulated pipes, etc. in concrete floors and walls , gypsum walls as well as wood floors.

Use TP FS-IS to prevent the spread of fire and smoke through joints in fire rated gypsum wallboard partitions, concrete block or concrete walls and/or concrete or corrugated steel deck floor/ceiling assemblies.

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

## ■ Installation Data

Install TP FS-IS using standard caulking techniques or trowel from pails. TP FS-IS may also be pumped from the pails. When damming materials are needed, use only materials approved for the specific application.

### **Typical Top of Wall Installation**

Step 1 - Cut and fit the gypsum wallboard to the contour of the steel decking leaving a maximum 3/4" (19 mm) relief gap.

Step 2 - Pack the flute openings and relief gap with required amount of fiberglass insulation and recess to required depth.

Step 3 - Gun, trowel or pump the sealant as required to the specified depth. Properly tool sealant surface flush with the wall.

*Consult UL Directory for complete instructions and system listings.*

## ■ Testing Data

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

TP FS-IS was tested at positive pressure with a minimum 0.01 (2.5 Pa) inches water and in accordance with ASTM E814 (UL 1479) and ASTM E1966 (UL 2079).

Complies to Required Environmental Exposure Testing of Accelerated Aging and High Humidity as per UL 1479 Fire Test of Through-Penetration Firestops.

## ■ Storage & Handling

TP FS-IS should be stored 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 using. Keep products stored under protective cover in original containers.

## ■ Limitations

TP FS-IS is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. TP FS-IS should not be used against hot uninsulated surfaces above 300° F (149° 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 if prolonged or repeated contact occurs. Wash after handling.

**FIRST AID:** For any overexposure, get immediate medical attention after first aid is given. **Eyes-** Flush 15 minutes with clean water.

**Skin-** Wash with soap and water. **Inhalation-** Remove to fresh air. **Ingestion-** Only if conscious, give large amounts of water and INDUCE VOMITING. **FIRE AND SPILLS:** Use water fog, CO<sub>2</sub>, foam, or dry chemicals. Wipe up spills to prevent footing hazard.

Clean up with scrapers and water. **STORAGE AND HANDLING:** Store away from heat sources. Keep container closed. Do not reuse empty container. **KEEP OUT OF REACH OF CHILDREN.**

*For additional information, refer to Safety Data Sheet.*

*For additional technical service: [www.team-pro.com](http://www.team-pro.com) or [info@team-pro.com](mailto:info@team-pro.com)*

## ■ 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.