

# Mapeflex<sup>™</sup> P1 FT

One-Component,  
Non-Sag, Elastomeric  
Polyurethane Sealant



## DESCRIPTION

**Mapeflex P1 FT** is a high-performance, one-component, fast-track, elastomeric, moisture-cured, polyurethane sealant and adhesive. **Mapeflex P1 FT** offers excellent adhesion to most surfaces, superior gunning and tooling, and excellent flexibility for moving joints.

## FEATURES AND BENEFITS

- Cures to a void-free polyurethane
- Accommodates joint movement of +/- 25%
- High abrasion and tear resistance
- Tremendous adhesion
- Paintable and sandable
- Low-VOC content

- Nonstaining\* and odorless
- Good resistance to weathering
- One-component; offers superior gunning and tooling

\* Product will typically not stain or "shadow" surfaces that it is applied to.



# Mapeflex<sup>TM</sup> P1 FT

## One-Component, Non-Sag, Elastomeric Polyurethane Sealant

### PRODUCT PERFORMANCE PROPERTIES

Laboratory Tests	Results
Movement capability – ASTM C719	+/- 25%
Shore hardness A – ASTM C661	25 +/- 5
100% modulus – ASTM D412	About 44 psi (0.30 MPa)
Elongation at break – ASTM D412	1,200%
Tensile strength – ASTM D412	230 psi (1.59 MPa)
Peel strength – ASTM C794	22 lbf/in. (2.48 N-m)
Accelerated weathering – ASTM C793	Passes; no cracks
Staining – ASTM C510	No staining or color change
VOCs (Rule #1168 of California's SCAQMD)	102 g per L
Extrusion rate* – ASTM C1183 modified	130 mL per minute
Slump of sealant – ASTM D2202	None
Rheology (vertical) at 120°F (49°C) – ASTM C639	5/32" (4 mm) non-sag
Service temperature	-40°F to 178°F (-40°C to 81°C)
Compatibility with paints	Water-based: Yes; Solvent-based: Perform tests beforehand
UV resistance	Good
Water and salt spray resistance	Excellent

\*1/8" (3 mm) orifice at 90 psi (0.62 MPa)

### SHELF LIFE AND PRODUCT CHARACTERISTICS BEFORE MIXING

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Storage conditions	Store at 40°F to 73°F (4°C to 23°C).

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

### APPLICATION PROPERTIES

Application temperature range	41°F to 95°F (5°C to 35°C)
Time before skinning over	90 minutes
Time before becoming tack-free	90 minutes
Curing rate at 73°F (23°C)	1/8" (3 mm) per 24 hours

### CSI DIVISION CLASSIFICATION

Joint Sealants	07 92 00
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### PACKAGING

Size/Color	Product Code
10.1 U.S. oz. (300 mL) cartridge: Limestone	2UA1516253
20.2 U.S. oz. (600 mL) sausage pack: Limestone	2UA1516256

### APPROXIMATE COVERAGE\*\*

per 20.2 U.S. oz. (600 mL) sausage

Depth	1/2" (12 mm) width	3/4" (19 mm) width	1" (2.5 cm) width
1/4" (6 mm)	24 linear ft. (7.32 m)	N/A	N/A
3/8" (10 mm)	N/A	12 linear ft. (3.66 m)	N/A
1/2" (12 mm)	N/A	N/A	6 linear ft. (1.83 m)

\*\* Coverage shown is for estimating purposes only.

Actual jobsite coverage may vary according to substrate conditions and setting practices.