TREMCO

TECHNICAL DATA SHEET

TREMCO PUMA NOSING SYSTEM

Two-Part, Chemical-Curing, High Viscosity PUMA Resin System

PRODUCT DESCRIPTION

The Tremco PUMA Nosing System is a quick-cure, liquid-applied product based on PUMA technology. The components can be initiated to cure within minutes, even in temperatures below freezing, and have tenacious adhesion to concrete and metal. The Tremco PUMA Nosing System is composed of Tremco PUMA Primer, Tremco PUMA Flashing cured using Tremco PUMA Initiator+, Aggregate, and Tremco PUMA Polyethylene Fibers.

Tremco PUMA Primer is a methyl-methacrylate (MMA), two-component primer for porous and non-porous substrates. Tremco PUMA Flashing, utilized in the Tremco PUMA Nosing System, is a modified polyurethane-methacrylate (PUMA) resin that is a light gray color. Tremco PUMA Flashing bonds firmly to Tremco PUMA Primer. It retains its integrity even if substrate movement causes hair-line cracks of up to 1/16" (1.5 mm). If cut or damaged, the Tremco PUMA Nosing System will prevent water migration between itself and the substrate. Tremco PUMA Initiator+ is a reactive catalyst in the form of a white powder used to cure all PUMA/PMMA resins, including Tremco PUMA Flashing. Tremco PUMA Polyethylene Fibers are manufactured fibers made of polymerized polyethylene units added to Tremco PUMA Nosing to increase the thixotropic characteristics of the resin.

BASIC USES

The Tremco PUMA Nosing System is designed for use in expansion joint applications as the nosing material for block outs.

FEATURES & BENEFITS

Polyurethane-methacrylate (PUMA) technology delivers extreme durability while maintaining its crack-bridging characteristics. The Tremco PUMA Nosing System allows for quick overall installation with its rapid set-up times and ability to open up to foot traffic after one to two hours.

The Tremco PUMA Nosing System can be applied at temperatures below 20 °F (-7 °C), which allows for continuation of projects in the colder months. Additionally, Initiator+ adjustments allow for 30 to 45 minute cure time between applications, even at temperatures below freezing.

As part of the Power of One, The Tremco PUMA Nosing System is compatible with Tremco sealants, Willseal expansion joints, and coatings, plus hot rubberized asphalt, which is essential for tie-ins, detailing, and penetrations. The unique chemistry of The Tremco PUMA Nosing System allows for easy repair. Users are able to apply additional coats long after the previous coat has cured with the extremely forgiving properties of the components in The Tremco PUMA Nosing System application.

AVAILABILITY

Readily available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse. Contact your local Tremco Sales Representative, Tremco Distributor, or Customer Service for more information.

COLORS

The main component, Tremco PUMA Flashing, is a light gray material.

LIMITATIONS

Use with adequate ventilation. Do not store in direct sunlight for prolonged periods. Do not thin. Not for use over expanded polystyrene, extruded polystyrene, poured in place gypsum, lightweight insulated concrete, cementitious wood fiber decks and coal tar pitch.

Substrate must be at least 5 °F (3 °C) above the measured dew point temperatures to avoid dew point conditions. Do not apply in falling precipitation or when precipitation is imminent. Do not apply over contaminated surfaces. All surfaces must be sound, clean, free of standing water and free from contamination.

Any questions regarding drying times, coverage rates and unique application techniques should be directed to Tremco Technical Service or your local Tremco Sales Representative. Unvented metal pan decks, slab-on-grade and hollow core plank decks require additional qualification prior to application. Please contact Tremco Technical Services for more information.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit https://www.tremcosealants.com/warranties/ for details.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
VOC Content	Method 310	0 g/L
% Solids (by Weight)	ASTM D1353	100%
Drying Time @ 75 °F, 50% RH	ASTM D1640	80 mil film, 1 hr
Elongation	ASTM D638 ASTM D5147	407 to 420% Min 30%
Tensile Strength	ASTM D638 @ 75 °F	991 to 1680 psi
Tearing Resistance	ASTM D4073	91 lbf
Hardness (Shore A)	ASTM D2240	65 to 87
Hardness (Shore D)	ASTM D2240	18 to 35
Low-Temperature Crack Bridging	ASTM C1305	Passes
Taber Abrasion	ASTM C501	Passes
Peak Load @ 73 °F, avg.	ASTM D5147	> 70 lb_f/in
Puncture Resistance	ASTM D5602	> 56 lbs
Water Absorption	ASTM D570	< 0.1%
Water Vapor Transmission	ASTM E96	0.03 perms
Adhesion-in-Peel	ASTM C794	Concrete failure with primer, ≥ 1 pli
Self-Ignition Temperature	ASTM D1929	800 °F (427 °C)
Smoke Density	ASTM D2843	4.1%
Rate of Burn	ASTM D635	1.2 in/min

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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