Tremco® PUMA BC T

PUMA Base Coat – Trowel Grade

Product Description

Tremco PUMA BC T is a modified polyurethane-methacrylate (PUMA) base coat. It is a thixotropic version of Tremco PUMA BC, used for vertical rises, detailing and field applied cant beads. Tremco PUMA BC T 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, Tremco PUMA BC T will prevent water migration between itself and the substrate. Tremco PUMA BC T requires the use of Tremco PUMA Initiator for cure.

Basic Uses

Tremco PUMA BC T is commonly used for vertical rises, detailing and field applied cant beads. It can also be used with ramps when mixed with Tremco PUMA BC or BC LM. Tremco PUMA BC T can be used to protect concrete from the damaging effects of chloride, deicing salts, chemicals, gasoline, oils and anti-freeze.

Features and Benefits

- Polyurethane-methacrylate (PUMA) technology delivers extreme durability while maintaining its crack-bridging characteristics.
- Rapid set-up times allow for quick overall installation, as well as the ability to open up to foot traffic one hour later.
- Can be applied at temperatures below 20 °F, which allows for continuation of projects in the colder months.
- Initiator adjustments allow for 30 to 45 min cure time between applications, even at temperatures below freezing.
- Compatible with Tremco sealants and coatings, which is essential for tie-ins, detailing and penetrations.
- Extremely forgiving application allows users to apply additional coats long after the previous coat has cured.
- Unique chemistry allows for easy repair.

Availability

Immediately available from your local Tremco Sales Representative

Applicable Standards

ASTM C957
CSA S413

Packaging

Tremco PUMA BC T: 6-gal pails

Installation

Concrete shall be water-cured and attain a 3000 PSI minimum compressive strength for waterproofing applications, 4000 PSI for vehicular traffic. Concrete finish shall be a light steel trowel followed by an equivalent ICRI #3-#4 finish. Moisture content in the concrete must be less than 6% as measured using a Tramex CME 4 Moisture Meter. Depending on concrete construction and job site location, additional concrete testing may be required. Please contact your local Tremco representative.

Tremco PUMA components are designed for use with the Vulkem EWS and TREMproof PUMA systems. Please refer to the appropriate application instructions for complete application details. The techniques involved may require modification due to job-site specific conditions. Consult your Tremco representative for recommended site conditions and requirements.

Limitations

- Do not apply to damp or contaminated surfaces.
- Use with adequate ventilation.

Warranty

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

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.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TREMCO PUMA BC
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
Weathering	ASTM D822 Weatherometer 350 hr	N/A
Elongation	ASTM D638	407%
Elongation	ASTM D5147	Min 30%
Tensile Strength	ASTM D638 @ 75°F	1680 psi
Tearing Resistance	ASTM D4073	91 lbf
Hardness (Shore D)	ASTM D2240	35
Hardness (Shore A)	ASTM D2240	87
Abrasion Resistance (1000 cycles)	ATSM D4060	N/A
Low-Temperature Crack Bridging	ASTM C1305	Passes
Taber Abrasion	ASTM C501	Passes
Peak Load @ 73°F, avg.	ASTM D5147	>70 lbf/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
Self-Ignition Temperature (°F)	ASTM D1929	800°
Smoke Density (%)	ASTM D2843	4.1%
Rate of Burn (in/min)	ASTM D635	1.2 in/min

Tremco Commercial Sealants & Waterproofing

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555

www.tremcosealants.com