



TECHNICAL DATA SHEET

TREMCO® PUMA BC LM

Low-Modulus Polyurethane-Methacrylate
(PUMA) Base Coat

PRODUCT DESCRIPTION

Tremco PUMA BC LM is a polyurethane-methacrylate (PUMA) base coat. It is a lower modulus version of Tremco PUMA BC, used as the waterproofing membrane for Vulkem EWS and TREMproof PUMA for service temperatures below 32° F (0° C). Tremco PUMA BC LM 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 LM will prevent water migration between itself and the substrate. Tremco PUMA BC LM requires the use of Tremco PUMA Initiator+ for cure.

BASIC USES

Tremco PUMA BC LM is commonly used as the waterproofing membrane in buried applications and as the base coat in traffic coating applications. Tremco PUMA BC LM can also be used where a low-modulus sealant is required in moving joints.

AVAILABILITY

Immediately available from your local Tremco Sales Representative.

PACKAGING

Tremco PUMA BC LM: 6-gal pails.

APPLICABLE STANDARDS

ASTM C957
CSA S413

INSTALLATION

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

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	420%
Elongation	ASTM D1547	Min 30%
Tensile Strength	ASTM D638 @ 75 °F	991 psi
Tearing Resistance	ASTM D4073	91 lbf
Hardness (Shore D)	ASTM D2240	18
Hardness (Shore A)	ASTM D2240	65
Low-Temperature Crack Bridging	ASTM C1305	Passes
Taber Abrasion	ASTM C501	Passes
Peak Load @ 73 °F, avg.	ASTM D5174	>70lbf/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 D794	Concrete failure with primer
Self-Ignition Temperature	ASTM D1929	800 °F
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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