



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

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 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.

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, 1hr
Elongation	ASTM D638	420%
Elongation	ASTM D5147	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 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	ASTM D1929	800 °F
Smoke Density	ASTM D2843	4.1%
Rate of Burn	ASTM D635	1.2 in/min