



# TECHNICAL DATA SHEET

## TREMCO® PUMA BC

Polyurethane-Methacrylate (PUMA)  
Base Coat

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### PRODUCT DESCRIPTION

Tremco PUMA BC is a polyurethane-methacrylate (PUMA) base coat. It is a two-part, chemical-curing PUMA coating used as an elastomeric, waterproofing membrane for Vulkem® EWS and TREMproof® PUMA systems. Tremco PUMA BC 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 will prevent water migration between itself and the substrate. Tremco PUMA BC requires the use of Tremco PUMA Initiator+ for cure.

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### BASIC USES

Tremco PUMA BC is commonly used as the waterproofing membrane in buried applications and as the base coat in traffic coating applications.

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### AVAILABILITY

Immediately available from your local Tremco Sales Representative.

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### PACKAGING

Tremco PUMA BC: 6-gal pails.

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### 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.

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### LIMITATIONS

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

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### 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         | 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                           |
| Low-Temperature Crack Bridging | ASTM C1305        | Passes                       |
| Taber Abrasion                 | ASTM C501         | Passes                       |
| Peak Load @ 73 °F, avg.        | ASTM D5147        | >70 lbf/in                   |
| Puncture Resistance            | ASMT 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                   |

Please refer to our website at [www.tremcosealants.com](http://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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Tremco Construction Products Group (CPG) brings together the Commercial Sealants & Waterproofing and Roofing & Building Maintenance divisions of Tremco CPG Inc.; Dryvit and Willseal brands; Nudura Inc.; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc.; Weatherproofing Technologies Canada, Inc.; and Pure Air Control Services, Inc.



[tremcosealants.com](http://tremcosealants.com) | 800.321.7906



3735 Green Rd. | Beachwood, OH 44122  
800.321.7906 | [tremcocpg.com](http://tremcocpg.com)