



# TECHNICAL DATA SHEET

## TREMCO® PUMA BC R

Roller-Grade Polyurethane-Methacrylate  
(PUMA) Base Coat

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### PRODUCT DESCRIPTION

Tremco PUMA BC R is a UV-stable, roller-grade base coat material designed to have tenacious adhesion to Tremco PUMA Primer and provide quick turn-around time with cure rates at less than an hour even in the coldest of temperatures. The material will accommodate movement and bridge cracks of up to 1/16" (1.5mm). Tremco PUMA BC R installed over Tremco PUMA Primer can be used as a waterproofing membrane system at terraces, plaza decks, planters, ramps, vertical walls and as a tie-in material directly to hot rubberized asphalt or in flashing applications. Tremco PUMA BC R requires the use of Tremco PUMA Initiator+ for cure.

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### BASIC USES

Tremco PUMA BC R is commonly used on inclines, vertical transitions, tie-ins and in flashing applications.

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### AVAILABILITY

Immediately available from your local Tremco Sales Representative.

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### PACKAGING

Tremco PUMA BC R: 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            | 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                   |

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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