

# TREMCO®

# Dymonic®

## Low Modulus Expansion Joint Sealant

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### Product Description:

Dymonic is a high performance, low modulus, one-component, moisture curing, modified polyurethane joint sealant.

### Basic Uses:

Dymonic is specifically developed for sealing dynamically moving joints such as: expansion and control joints, precast concrete panel joints, tilt-up panel joints, curtain wall joints and perimeter caulking (window, doors, panels, radon mitigation, bedding of mullions and frames, etc). Dymonic exhibits tenacious adhesion which will not diminish over product life.

### Limitations:

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

### Packaging:

1/12 gallon (300 ml) Cartridges,  
20 oz. (600 ml) Sausages, 2 (7.57 l)  
and 5 gallon (19 l) pails and  
55 gallon (208 l) drums.

### Standard Colors:

White, Precast White, Off White  
Limestone, Graystone, Aluminum  
Stone, Anodized Aluminum, Ivory,  
Beige, Buff, Redwood Tan, Light  
Bronze, Bronze, Black, Hartford  
Green, and Forest Green.

### Applicable Standards:

Conforms to U.S. Federal  
Specification TT-S-00230C, Type II,  
Class A and ASTM C920, Type S,  
Grade NS, Class 25 Use NT, M, A and  
O, CAN/CGSB 19.13-M87.

### INSTALLATION

#### Joint Design:

May be used in any vertical or horizontal joint design in accordance with accepted architectural/engineering practice. Joint width should be 4 times anticipated movement, but not less than 1/4 inch (6.4 mm) wide.

#### Dimensions:

For joints 1/4 inch (6.4 mm) to 1/2 inch (12.7 mm) wide, the width to depth ratio should be equal. Joints 1/2 inch (12.7 mm) wide or greater should have a sealant depth of 1/2 inch (12.7 mm). Minimum joint size is 1/4 inch by 1/4 inch (6.4 mm by 6.4 mm).

#### Surface Preparation:

For good adhesion, the joint interface must be sound, clean and dry. Depending on the substrates, or presence of form release agents, masonry waterproofing, dust, loose

mortar or laitance, architectural paints or finishes, the joint surface may require a thorough wire brushing, grinding, sandblasting, solvent washing and/or primer.

#### Tooling & Cleaning:

Tooling is recommended immediately after application to insure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with Xylol or Toluol while sealant is in uncured state.

#### Joint Backing-

#### Bond Breaking Tape:

Closed cell polyethylene backer rods are preferred as joint backing to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three sided adhesion. Joint backing must be dry at time of sealant application.



**Application:**

Dymonic is easy to apply with conventional caulking equipment. Fill joint completely with a proper width-to-depth ratio.

**Maintenance:**

Damaged sealant can be repaired. Consult your Tremco Distributor or Representative for repair procedures.

**Availability:**

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

**Warranty:**

Tremco warrants its Sealants to be free of defects in material, but makes no warranty as to appearance or color. Since method 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 Sealants. Tremco's sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of Sealant proved to be defective and Tremco shall not be liable for any loss or damage.

**TYPICAL PHYSICAL PROPERTIES**

<b>ASTM C920 TT-S-00230C</b>	<b>Requirement</b>	<b>Dymonic Results</b>
Rheological Properties at 40 and 122°F. (4.4 and 50°C.)	3/16" (4.8mm) Maximum Flow No Deformation	0 None
Extrusion Rate	45 Seconds Maximum	5
Hardness Properties	25-50	25
Weight Loss	Less than 10%	Passes
Tack Free Time	Tack Free 72 Hours Maximum	Passes
Stain & Color Change	No Visible Change No Stain	None None
Durability-Cyclic Movement Adhesion & Cohesion	1-1/2 sq. in. (9.7 cm <sup>2</sup> ) Max Total Bond Loss	Passes
Adhesion-in-Peel	Not less than 5 pli (22N)  Less than 25% Bond Loss	Concrete-20-28 pli (89-125N) No Adhesion Loss
Effects of Accelerated Weathering	No cracks greater than #2 on U.V. and Cold Temperature Bond Test	Passes


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