

TREMCO

Dymeric 511

Multi-Component High Performance Polyurethane Sealant

Product Description:

Dymeric 511 is a multi-component, chemically curing, gun-grade polyurethane sealant specially formulated for use in dynamically moving building joints. Standard and Winter grade formula Part A bases are available.

Basic Uses:

Dymeric 511 is a non-sag general purpose sealant providing a flexible, durable, weathertight seal for use with precast, masonry, EIFS, metal curtain wall and perimeter joints of doors and window frames.

Limitations:

- Do not apply over damp or contaminated surfaces.
- Not intended for continuous water immersion.

Packaging:

1-1/2 gallon (5.68 L) and 3 gallon (11.36 L) units with pre-measured cans of Curing Agent. Separate color pack (pigment) must be added.

Standard Colors:

Dymeric 511 is available in 53 standard colors and can be custom matched to virtually any color upon request.

Applicable Standards:

Conforms to ASTM C920, Type M, Grade NS, Class 50, Use NT, M, A and O; U.S. Federal Specification TT-S-00227E, Class A, Type II; Canadian Standard CAN/CGSB-19.24-M90, Type II, Class B.

INSTALLATION Joint Design & Dimensions

May be used in any vertical or horizontal joints 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.

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

Surface Preparation:

For good adhesion, the joint interface must be sound, clean and dry. Depending on the substrate, the joint surface may require a thorough wire brushing, grinding, sand-blasting, 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, although tooling agents can be utilized. Excess sealant and smears adjacent to the joint can be removed with Xylol or Toluol before sealant cures.

Joint Backing- Bond Breaking Tape:

Closed cell polyethylene, reticulated foam and some open cell polyurethane rods may be used 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 the sealant application.



Application:

Mix in accordance with directions on product container label. Minimum mixing time is 6 minutes. Apply with conventional caulking equipment, filling the joint completely and tool.

Firestopping:

Dymeric 511 is UL/cUL tested for up to a four-hour F-Rating for fire rated joints. Please refer to the Tremco Firestopping catalog for additional information.

Maintenance:

Damaged sealant can be repaired. Consult your Tremco Distributor or Field 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 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 Sealants. Tremco's sole obligation shall be, at its option, to

replace, or refund the purchase of the quantity of Tremco Sealant proved to be defective and Tremco shall not be liable for any loss or damage.

TYPICAL PHYSICAL PROPERTIES

ASTM C920 TT-S-00227E	Requirement	Dymeric 511 Results
Low Temperature Flexibility	ASTM-C-793	-40°F (-40°C)
Extrusion Rate	45 Seconds Maximum	4
Hardness Properties	15-50	20-40
Weight Loss	Less than 10%	2.0
Tack Free Time	Tack Free 72 Hours Maximum	30 Hours
Stain & Color Change	No Visible Change No Stain	None None
Durability-Cyclic Movement Adhesion & Cohesion	1-1/2 sq. in. (9.7 cm ²) Max Total Bond Loss	Passes
Adhesion-in-Peel	Not less than 5 pli (22N)	Aluminum-10-20 pli (85-102N) Concrete-10-25 pli (80-111N) Brick-10-23 pli (80-102N)
Effects of Accelerated Weathering	No cracks greater than #2 on U.V. and Cold Temperature Bond Test	Passes
Movement Capability	N/A	+50% /-50%

For MSDS and Spec Data Sheets,
Call our 24 Hour Fax-Back Line:

1-800-551-2806

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www.tremcosealants.com

TREMCO

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