

Dymeric 240

Multi-Component Polyurethane Sealant

Product description

Dymeric 240 is a gun grade, multi-component, chemically curing, polyurethane sealant that includes a tintable base, curative packet, and a choice of 70 standard colors.

Features / Benefit

Dymeric 240 is an all around general-purpose sealant that provides flexible, long life and durable waterproofing for both new construction and restoration projects

Applicable Standards

Dymeric 240 meets or exceeds the requirements of the following specifications:


- ASTM C-920, Type M, Grade NS, Class 50, Use T, NT, M, A, and O
- Federal Specification TT-S-00227E, Type II, Class A
- CAN/CGSB 19.24-M90, Type II, Class B

Packaging

1.5 gallon (5.7L) and 3 gallon (11.4L) kits with pre-measured packs of curing agent.

Colors

Dymeric 240 is available as a base and curative that can be tinted to your choice of 70 different colors, or we can match a special color for you.



SEALANT · WATERPROOFING & RESTORATION INSTITUTE

Issued to: Tremco Incorporated
 Product: Dymeric 240 Polyurethane Sealant
 C719: Pass Ext:+50% Comp:-50%

Substrate: Primed aluminum and mortar and unprimed mortar *[The aluminum substrate was primed with TREMprime Non Porous Primer and the mortar substrate was primed with Tremco Primer No.1].*

C661: Rating 30
 Validation Date: 6/24/08 - 6/23/13
 No. 608-D2PS613 Copyright © 2008

SEALANT VALIDATION
www.swrionline.org

Coverage Rate

308 linear feet of joint per gallon for 1/4" x 1/4" joints. For specific coverage rates that include joint size, and usage efficiencies, visit our website usage calculator at www.tremcosealants.com

Priming

Where deemed necessary, use Tremco Primer #1 for porous substrates and TREMprime Non-Porous Primer for metals and plastics. Dymeric 240 typically adheres to common construction substrates without primers; however, Tremco always recommends that a mock-up or field adhesion test be performed on the actual materials being used on the job to verify the need for a primer. The field adhesion test can be found in appendix X1 of ASTM C 1193, Standard Guide for Use of Joint Sealants or for the Tremco Field Adhesion Bulletin visit our website at www.tremcosealants.com

TYPICAL PHYSICAL PROPERTIES

(Results of recent testing at 72°F (22°C) after 14 days cure time.)

Low Temperature Flexibility	(ASTM C 793)	-65°F (-54°C)
Hardness, durometer scale "A"	(ASTM C 661)	35-40
Weight Loss	(ASTM C 1246)	Passes
Skin Time	(tooling time)	3-4 hours
Tack Free Time	ASTM C 679)	64 hours
Stain & Color Change	(ASTM C 510)	No stain, No color change
Adhesion-in-Peel	(ASTM C 794)	>10 pli (pass)
Accelerated Weathering	(ASTM C 793)	Pass
Movement Capability	(ASTM C 719 modified)	±50%
Tear Strength	(ASTM D 412)	29 psi
Tensile Strength	(ASTM D 412)	138 psi
Ultimate Elongation	(ASTM D 412)	398%
25% Modulus	(ASTM D 412)	24 psi
50% Modulus	(ASTM D 412)	33 psi
100% Modulus	(ASTM D 412)	52 psi

Cure Time

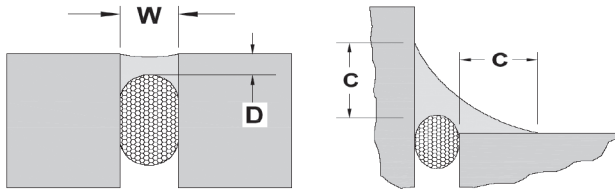
At 72°F (22°C) and 50% relative humidity, Dymeric 240 will reach full cure in 4 days regardless of the applied width and depth of bead. As the temperatures decrease, the cure time of Dymeric 240 will increase. A good rule of thumb is an additional 24 hours for every 10°F decrease in temperature

Joint design

Dymeric 240 may be used in any vertical or horizontal joint designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement, but not less than 1/4" (6.4mm).

Sealant dimensions

W = Sealant width, D = Sealant depth, C = Contact area.



EXPANSION JOINTS - The minimum width and depth of any sealant application should be 1/4" by 1/4" (6mm by 6mm).

The depth (D) of sealant may be equal to the width (W) of joints that are less than 1/2" wide. For joints ranging from 1/2" to 1" (13mm to 25mm) wide, the sealant depth should be approximately one-half of the joint width.

The maximum depth (D) of any sealant application should be 1/2" (13mm). For joints that are wider than 1" (25 mm) contact Tremco's Technical Service Department, or your local Tremco field representative.

Tremco recommends that surface temperatures be 40°F (5°C) or above at the time the sealant is applied. If sealant must be applied in temperatures below 40°F, please refer to the Tremco Guide for Applying Sealants in Cold Weather that can be found on our website at www.tremcosealants.com.

Joint backing

Closed cell or reticulated polyethylene backer rod is recommended as joint backing to control sealant depth and to ensure intimate contact of sealant with joint walls when tooling. Where depth of joint will prevent the use of backer rod, an adhesive backed polyethylene tape (bond breaker tape) should be used to prevent three-sided adhesion. All backing should be dry at time of sealant application.



UL Tested Systems FF-S-1015, WW-S-0005, WW-S-0006, WW-S-1004, WW-S-1005, WW-S-1006, WW-S-1018, HW-S-1004

Application

Mix Dymeric 240 in accordance with instructions on the pail using the entire pre-measured curative and your selected Universal Color Pak. One color pack should be used with 1.5 gallon pails and two color packs should be used in the 3 gallon pails. Mix all three parts for a minimum of 6 minutes, scrapping the sides of the pail and until there are no color striations.

Ensure the backer rod is friction fitted properly and any primers have been applied. Apply sealant with conventional caulking equipment filling the joint from the backer rod up. Immediately tool the sealant with a spatula to ensure intimate contact with the joint walls. Dry tooling is always preferred, although xylene can be used in limited amounts to slick the spatula if needed.

For a cleaner finish, mask the sides of the joint with tape prior to filling.

Clean up

Excess sealant and smears along the joint interface can be cleaned up or removed with xylene or mineral spirits before the sealant skins. Any utensils used for tooling can also be cleaned with xylene or mineral spirits.

Limitations

- Do not apply Dymeric 240 to damp or contaminated surfaces.
- Always utilize the accompanying MSDS for information on Personal Protective Equipment (PPE), and health hazards.
- For best results, always use a Universal Color Pak

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 proven to be defective and Tremco shall not be liable for any loss or damage.