TREMCO®

Dymonic FC

Fast Skinning, Low Modulus Polyurethane Sealant

Product Description:
Dymonic FC is a high performance, low modulus, one-component, moisture curing, polyurethane sealant.

Basic Uses:
Dymonic FC is a durable, flexible polyurethane sealant that offers excellent performance in moving joints. Dymonic FC does not require a primer on most construction materials, and exhibits tenacious adhesion once fully cured. Typical applications for Dymonic FC include: expansion and control joints, precast concrete panel joints, perimeter caulking (windows, door, panels), EIFS, aluminum, masonry & vinyl siding.

Limitations:
Do not apply over damp or contaminated surfaces.

Packaging:
1/12 gallon (300mL) cartridges, 20oz. (600mL) sausages, 3 (11.3 L) and 5-gallon (19 L) pails.

Standard Colors:
Aluminum Stone, Anodized Aluminum, Gray, Limestone, White, Off White, Buff, Precast White, Ivory, Beige, Almond, Hartford Green, Redwood Tan, Stone, Natural Clay, Dark Bronze, Bronze, Light Bronze, Black.

Applicable Standards:
Meets U.S. Federal Specification TT-S-00230C, Class A, Type II; Canadian Standard CAN/CGSB-19.13-M87; and ASTM C920, Type S, Grade NS, Class 100/50, Use NT, M, A and O.

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 (6.4mm) wide.

Dimensions:
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, 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, 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 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.

Application:
Cartridges of Dymonic FC are easy to apply with conventional caulking equipment. Fill joint completely with a proper width-to-depth ratio and tool.

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

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

TYPICAL PHYSICAL PROPERTIES

ASTM C920 TT-S-00230C	Requirement	Dymonic FC Results
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	15
Hardness Properties	25-50	25
Weight Loss	Less than 10%	Passes (<2%)
Skin Time	N/A	30-90 minutes
Tack Free Time	Tack Free 72 Hrs. Max.	3-4 Hours
Stain & Color Change	No Visible Change No Stain	None None
Adhesion-in-Peel	Not less than 5 pli (22N) Less than 25% Bond Loss	Concrete-18-22 pli Aluminum 20-25 pli No Adhesion Loss
Effects of Accelerated Weathering	No cracks greater than #2 on U.V. and Cold Temperature Bond Test	Passes
Movement Capability	N/A	+100%/-50%

For MSDS and Spec Data Sheets,
Fax our 24 Hour Fax-Back Line:
1-800-551-2806
or visit our website:
www.tremcosealants.com

TREMCO
Sealant/Weatherproofing Division
3735 Green Road • Beachwood, Ohio • 44122 • Phone: (216) 292-5000 • (800) 321-7906
220 Wicksteed Avenue • Toronto, ON M4H 1G7 • Phone: (416) 421-3300 • (800)363-3213