

Dymonic FC

Fast skinning, low modulus polyurethane sealant

Product Description:

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

Basic Uses:

Dymonic FC is a durable, flexible modified 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 and vinyl siding.

Limitations:

Do not apply over damp or contaminated surfaces.

Packaging:

300 ml cartridges, 600 ml sausages.

Standard Colours:

Grey - 15 other colours available on request.

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. AAMA 802.3 Type I and II, and AAMA 808.3.

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 6 mm wide.

Joint Dimensions:

For joints 6 mm to 13 mm wide, the width to depth ratio should be equal. Joints 13 mm wide or greater should have a sealant depth of 13 mm. Minimum joint size is 6 mm by 6 mm.

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.

Typical Physical Properties:

ASTM C920 TT-S-00230C	Requirement	Dymonic FC Results
Rheological Properties at 4.4 and 50°C	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	Take Free 72 Hrs. Max.	3-4 hours
Stain & Colour 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	

Tooling & Cleaning:

Tooling is recommended immediately after application to ensure intimate contact with the joint interface. Dry tooling is preferred, although tooling agents can be utilised. 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 the depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three-sided adhesion.

Application:

Cartridges and sausages 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 Equus Representative for repair procedures.

Warranty:

Tremco warrants its Sealants to be free of defects in materials, but makes no warranty as to appearance or colour. 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.