

# Dymonic FC

## FAST SKINNING, LOW MODULUS POLYURETHANE SEALANT

### Key Benefits Summary

- DYMONIC FC offers excellent performance in moving joints
- Exhibits tenacious adhesion once fully cured
- DYMONIC FC does not require a primer on most construction materials
- Durable and flexible

### Standards

Dymonic FC meets or exceeds;

- ASTM C920, Type S, Grade NS, Class 100/50, Use NT, M, A and O.
- US Federal Spec. TT-S-00230C, Class A, Type 2.
- CGSB-19.13-M87

## PRODUCT INFORMATION

### DESCRIPTION

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

### USAGE/PURPOSE

Typical applications for Dymonic FC:

- Structural expansion and control joints
- Precast concrete panel joints
- Perimeter caulking (windows, doors, panels)
- EIFS
- Aluminium, masonry and vinyl siding

### LIMITATIONS

Dymonic FC is not recommended for:

- Prolonged immersion in water.
- Application over damp or contaminated surfaces
- Exposure to harsh chemicals
- Special architectural finishes without prior testing
- Certain grades of marble and stone work without prior testing and additional surface preparation

### COLOURS

Limestone, White, Off White, Black, Bronze, Buff, Grey, Stone, Anodized Aluminium and Beige

### PACKAGING

Dymonic FC is packaged in standard 300ml cartridges, 600ml sausages and 19 Litre pails.

### INSTALLATION - Joint Design

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

## TECHNICAL INFORMATION

### COMPOSITION

Dymonic FC is formulated from a unique TREMCO developed and patented polyurethane polymer to provide a high performance, fast skinning joint sealant. The Dymonic FC polymer exhibits excellent adhesion, which will not diminish over time. It adheres without primer in most applications (concrete, wood, brick, masonry, most types of granite, etc.) The low modulus and high recovery properties of Dymonic FC sealant make it ideally suited for joints with high movement.

### PERFORMANCE (Typical Properties)

- ADHESION IN PEEL  
Concrete 18-22 pli  
Aluminium 20-25 pli
- SKIN TIME  
30-90 minutes
- TACK FREE TIME  
3-4 hours
- STAINING & COLOUR CHANGE  
None
- MOVEMENT CAPABILITY  
+100%/-50%
- ACCELERATED AGEING  
No adhesive or cohesive failure, nor significant changes after U.V. and cold temperature Bond Test

NOTE: Typical Properties should not be used as specifications.

### USAGE GUIDELINES

### DIMENSIONS

- For joints 6.4mm to 12.7mm wide, the width to depth ratio should be equal
- Joints 12.7mm wide or greater should have a sealant depth of 12.7mm
- Minimum joint size is 6.4mm x 6.4mm



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## **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 ensure firm 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 depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three-side adhesion.

## **METHOD OF 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 representative for repair procedures.

## **HEALTH AND SAFETY PRECAUTIONS**

Material Safety Data Sheet must be read and understood before use.

## **TECHNICAL SERVICE**

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specifications of products. For more detailed information or service and advice call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

## **GUARANTEE/WARRANTY**

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specifications and TREMCO standards.

Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by TREMCO as being suitable for this product.

All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will contribute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or implied.

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