TECHNICAL DATA SHEET

DYMONIC® FC

High-Performance, Fast-Curing,
Single-Component, Hybrid Sealant

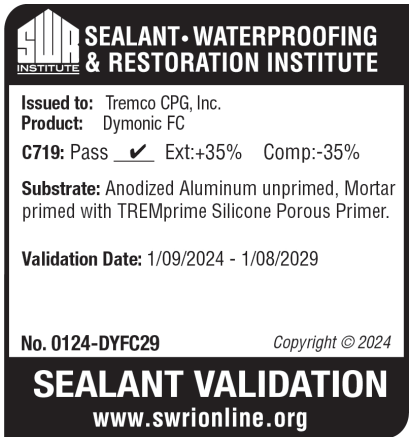
PRODUCT DESCRIPTION

Dymonic® FC is a fast-curing, single-component, low-modulus, hybrid sealant formulated with proprietary silane end-capped polymer technology. Dymonic FC offers a high-performance, durable, flexible seal that performs excellently in moving joints and exhibits tenacious adhesion to substrates once fully cured.

BASIC USES

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.

FEATURES & BENEFITS



Dymonic FC is fast-curing with a skin time of 60 minutes and a tack-free time of 3 to 4 hours. This significantly reduces dirt attraction and improves the overall asthetic look. Additionally, Dymonic FC will not green crack due to early movement. The low-modulus nature of Dymonic FC allows it to provide exceptional movement capability of ± 35%.

There are 19 standard color options available for Dymonic FC, with the option of painting over the sealant. Dymonic FC is easy to use for immediate application with conventional caulking equipment, with no mixing required.

Dymonic FC meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 35, Use NT, M, A and O
- ASTM C1248
- U.S. Federal Specification TT-S-00230C Class A, Type II
- CAN/CGSB 19.13-M87
- UL 2079 (ASTM E 1966), CAN/ULC S115-95

Accepted fire rated systems: FF-D-1063, FW-D-1059, HW-D-1054, WW-D-1054

AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco Distributor, or Tremco Warehouse in 10.1 oz (300 mL) cartridges and 20 oz (600 mL) sausages.

COLORS

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

LIMITATIONS

Do not apply over damp or contaminated surfaces. Do not use under polyurethane deck coatings.

Use with adequate ventilation. Always utilize the accompanying SDS for information on Personal Protective Equipment (PPE) and Health Hazards. Not recommended for use in chlorinated, potable, heavy or waste water.

Although Dymonic FC is paintable, this does not imply adhesion to and compatibility with all paints. Consult Tremco Technical Bulletin No. S-09-05 or Tremco Technical Services for more information.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit https://www.tremcosealants.com/warranties/ for details.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL
Service Temperature		-40 to 185 °F (-40 to 85 °C)
Rheological Properties	ASTM C639	Non-sag (NS), 0" of sag in channel
Extrusion Rate	ASTM C1183	93.1 mL/min
Hardness Properties	ASTM C661	25
Weight Loss	ASTM C1246	Pass
Skin Time	ASTM C679	1 hr
Tack Free Time	73.4°F (23°C) 50% RH	3 to 4 hr
Stain and Color Change	ASTM C510	No visible color change/No stain
Adhesion to Concrete	ASTM C794	18 to 22 pli (80 to 98 N)
Adhesion to Aluminum	ASTM C794	20 to 25 pli (89 to 112 N)
Effects of Accelerated Aging	ASTM C793	Pass
Movement Capability	ASTM C719	± 35%

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements. [DFC-DS/1026]