



## DYMONIC® 100

### High-Performance, High-Movement, Single Component, Polyurethane Sealant

#### DESCRIPTION

Dymonic® 100 is a high-performance, high-movement, single-component, medium-modulus, low-VOC, UV-stable, non-sag polyurethane fire rated sealant. Dymonic 100 is a durable, flexible sealant that offers excellent performance in moving joints and exhibits tenacious adhesion once fully cured.

#### BASIC USES

Typical applications for Dymonic 100 include expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors, and panels), aluminum, masonry and vinyl siding. Dymonic 100 is also an excellent choice as a fluid applied flashing material in rough opening perimeters for fenestration/window, door and curtain wall applications.

Dymonic 100 can be used in UL listed Fire Stopping assemblies (FF-D-1186, FW-D-1117, HW-D-1122, WW-D-1200, and BW-S-0006).

#### FEATURES & BENEFITS

- Can adhere to damp or green concrete and has a skin time of 2 hr with a tack-free time of 6 to 8 hr to significantly reduce dirt attraction.
- Movement capability of +100/-50% in typical field conditions, is low VOC, paintable, jet fuel-resistant, and will not crack, craze or yellow under extreme UV exposure.
- Suitable for water immersion and will not out gas.
- Formulated with an innovative polymer technology, similar to TREMproof 250GC and Vulkem 45SSL, Dymonic 100 is highly versatile and has a unique capability to adhere to damp or green concrete and will not out gas.
- Compatible and can be coated over with Tremco's Vulkem Deck Coatings, ExoAir Air Barrier products and the cold, fluid-applied TREMproof line of below-grade waterproofing products.

#### PACKAGING

300 ml Cartridges  
600 ml Sausages

#### COLOURS

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

#### COVERAGE

16m per 600 ml Sausage (6mm x 6 mm) joint

#### INSTALLATION

- Dymonic 100 is easy to apply with conventional caulking equipment. Ensure that the backer rod is fitted properly for friction and that any necessary primers have been applied.
- Fill the joint completely with a proper width-to-depth ratio, and then tool to ensure intimate contact of sealant with joint substrates.
- Dry tooling is always preferred, although compatible wetting agents can be used in limited amounts to slick the spatula if needed after an initial pass.
- For a cleaner finish, mask the sides of the joint with tape prior to filling.

#### LIMITATIONS

- Use with adequate ventilation.
- Always utilize the accompanying MSDS for information on Personal Protective Equipment (PPE) and Health Hazards.
- Not recommended for use in chlorinated, potable, heavy or waste water.
- Although Dymonic 100 is paintable, this does not imply adhesion to and compatibility with all paints. Consult Tremco Technical Bulletin No. S-09-05 for more information.

## WARRANTY

Tremco warrants its Products 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 Membranes. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase of the quantity or Tremco Membranes proved to be defective and Tremco shall not be liable for any loss or damage.

PROPERTY	TEST METHOD	TYPICAL VALUE
Rheological Properties	ASTM C639	non-sag (NS), 0" of sag in channel
Hardness Properties	ASTM C661	40 +/-5
Weight Loss	ASTM C1246	Pass
Skin Time	ASTM C679	2 to 3 hr
Tack Free Time	23°C 50% RH	6 to 8 hr
Stain and Color Change	ASTM C510	Pass
Adhesion to Concrete	ASTM C794	> 5N/mm
Adhesion to Concrete After Immersion	ASTM C794	> 5N/mm
Adhesion to Green Concrete	ASTM C794	> 4N/mm
Adhesion to Damp Concrete	ASTM C794	> 3N/mm
Effects of Accelerated Aging	ASTM C793	Pass
Movement Capability	ASTM C719* Modified	+100 / -50%
Tensile Strength	ASTM D412	> 2.4 Mpa
% Elongation	ASTM D412	800 to 900%
Modulus at 100%	ASTM D412	0.5 - 0.7 MPa
Tear Strength	ASTM D412	> 11N/mm
Service Temperature		-40 to 82 °C
Application Temperature		4 to 37 °C
Smoke Development	ASTM E84	5
Fire Spread	ASTM E84	5
Fire Resistance of Assembly	NFPA 285	PASS
Crack Bridging	ASTM C1305	PASS
Nail Sealability	ASTM D1970 Section 7.9	PASS

To find your local office address and contact details, visit

[www.tremcocpg-asiapacific.com](http://www.tremcocpg-asiapacific.com)

REV07/12/22