



THE BEST CORROSION CONTROL PERFORMANCE, GUARANTEED!

## **Technical Data**

### **TERMAFLURO TF9800 CURTAIN WALL MAINTENANCE COATING**

#### **DESCRIPTION**

**TERMAFLURO TF9800** is a low-build elastomeric coating that provides the ultimate in reflectivity, color stability and weather resistance over new or existing coated metal surfaces especially on exterior surfaces of metal trim on curtain wall buildings. Although it is highly flexible, it exhibits a tough, enamel-like finish that resists abrasion, biological growth, dirt, oil and all types of weather extremes. The Termafluro TF9800 is available in most colors including metallic's and also maybe pigment with heat reflective pigments to further enhance performance.

Termafluro TF9800 Curtain Wall Maintenance Coating enhances the following characteristics:

- Extreme Weatherability
- Applicator Friendly
  
- High Performance
- Excellent Stain Resistance
  
- Single Component
- Non Hazardous
  
- Single Coat
- Low VOC
  
- Superb Mill Dew Resistance
- Outstanding Water Repellancey
  
- Excellent Dirt Shedding
- Field proven performance

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<b>USES</b>	<p><b>TERMAFLURO TF9800</b> is typically applied at the rate of 3 to 4 dry mils (76 to 102 microns). It is designed as a finish coat over existing aged fluoropolymer coatings, standard elastomeric acrylic basecoat, such as Termaqua TA 6010 Basecoat Termaqua TA 6080 Primer/Sealer or DTM waterbased epoxy if required, which could be used to prime the existing curtain wall substrate.</p> <p>Typical substrates include existing fluoropolymer curtain wall coatings, polyurethane or acrylic coatings. <b>TERMAFLURO TF9800</b> is recommended whenever exceptional weatherability and/or reflectivity are required, whether the environmental threat is algae, mildew, dirt or industrial fallout. It also provides additional UV and color stability, even in bright colors. <b>TERMAFLURO TF9800</b> is an excellent when pigmented with metallic pigments which give the building a unique metallic look. The natural fire retardancy of the film provides long-term protection, eliminating the need for additional additives that eventually migrate from the film.</p>
<b>COLOR</b>	Most standard architectural colors (maybe pigment with heat reflective and metal pigments)
<b>GLOSS AT 60°</b>	80-85° ASTM D523
<b>COMPATIBLE SYSTEMS</b>	Termaqua TA6010 Basecoat, Termaqua TA 6080 Primer Sealer, most DTM waterbased epoxies
<b>RESIN TYPE</b>	Waterbased Co-Polymerized Fluoropolymer
<b>SOLVENT</b>	none
<b>SOLIDS BY WEIGHT</b>	48% ± 2% (depending on color) ASTM D2369
<b>SOLIDS BY VOLUME</b>	34% ± 2% (depending on color) ASTM D2697
<b>AGED ELONGATION</b>	after 1,000 hours accelerated Weathering – ASTM D2370: >100% = Pass
<b>V.O.C. (Volatile Organic Compound) ASTM D2369</b>	185-195 grams per litre (depending on color)



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<b>WEIGHT PER GALLON</b>	12.14 lbs/US Gal. ± .25%
<b>RECOMMENDED DFT (DRY FILM THICKNESS)</b>	2 to 4 mils DFT 200 to 250 sq. ft./gallon (4.9 to 6.4 m <sup>2</sup> /l).
<b>ELONGATION</b>	ASTM D2370: 148% (±50%)
<b>SPREADING RATE</b>	12.2 sq. m. per litre @ 25 microns DFT 497 sq. ft. per U.S. Gal. @ 1 mil DFT
<b>DRY TIME @ 25°C - 50% R.H. (relative humidity)</b>	Approximately 6 hours @ 75°F (24°C) at 4 wet mils (100 microns)
<b>VISCOSITY</b>	42 sec Zahn #2
<b>SURFACE PREPARATION</b>	All grease, oil, grime, and other contaminants must be removed from the surface using, commercial detergent or other suitable cleaning method All surfaces must be sound, free of cracks, dry, clean, and free of dirt, oils, and grease. Termaclean Cleaner or solvents suitable for the substrate being coated. If required a suitable prime maybe used and any exposed metal must be prepared with the suitable wash primer to remove oxidation if present. Refer to additional information under the Surface Preparation section of the base coat technical data sheet. The base coat must be compatible with the underlying substrate as well as the <b>TERMAFLURO TF9800</b> finish. Consult individual product data sheets for information on appropriate primers and base coats for individual substrates. The prepared surface must be analyzed for Chloride Nitrate and Sulfate content (Termarust has test kits available). Upper limit is per SSPC SP12-NV2.
<b>APPLICATION</b>	Apply a single coat of <b>TERMAFLURO TF9800</b> at the rate of 200 to 250 sq. ft./gallon (4.9 to 6.4 m <sup>2</sup> /l). Contact Ternmarust Technical Service Department for additional information and requirements for specific product warranties.



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<b>TENSILE STRENGTH</b>	ASTMD 2370	828 psi (±150) (11.0 Mpa)
<b>CLEAN UP:</b>	Water	
<b>PERFORMANCE DATA</b>	Permeance	ASTM D1653: <3 @ 2 mils Dry Film Thickness
	Water Swelling	ASTM D471: <3%
	Accelerated Weathering	ASTM D4798: 1,000 hours = Pass
	Wet Adhesion	ASTM D903: >2.0 pli (350 N/m)
	Fungi Resistance	ASTM G21: Zero Rating
	Tear Resistance	ASTM D624: >250 lbf/in (87.5kN/m)
	Flexibility	ASTM D522 @ -15°F (-26°C): Passes 3/8" (1 cm) Mandrel Bend
	Hail resistance:	Passes FMRC moderate hail
	Abrasion Resistance	ASTM D968: 30 l/mil (25 microns) Falling Sand Test
	Extended Accelerated Weathering .	ASTMD4798/G155 or G154 UVB-313: 4,000 hours = Pass
	Florida Weathering G7 – 1 year::	Gloss retention per ASTM D523: >80%; Fade per ASTM D2244 AE<3.0 CIE units; Chalking per ASTM D4214: 9 minimum; Adhesion per ASTM D3359: 100%



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### **SHELF LIFE**

12 months minimum in original unopened container when stored in a protected area where the temperature is between 5°C and 30°C (41°F - 86°F).

**Note:** After 12 months verify the coating to see if a skin has formed. If a skin is present remove skin and mix the material.

### **SAFETY INFORMATION**

Consult Material Safety Data Sheet for precautions. Product is water-based but may not comply with all state provincial or regional VOC restrictions. Avoid contact with skin and eyes. Avoid prolonged breathing of vapor. NIOSH approved respirator, eye & skin protection should be used by applicator and those in the vicinity.

**Read label instructions carefully.** This product is for **industrial use only** and is not intended for use in or around a household or dwelling.

\*All films pigmented, data is formulation dependent.