



THE BEST CORROSION CONTROL PERFORMANCE, GUARANTEED!

Technical Data

TERMAFLURO TF9700 CONCRETE PRESERVATION COATING

DESCRIPTION **TERMAFLURO TF9700** is a low-build elastomeric coating that provides the ultimate in reflectivity, color stability and weather resistance over new or existing concrete surfaces. 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 TF9700 is available in most colors and maybe pigment with heat reflective pigments to further enhance performance.

Termafluro TF9700 Concrete Preservation 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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USES	<p>TERMAFLURO TF9700 is typically applied at the rate of 3 to 4 dry mils (76 to 102 microns). It is designed as a finish coat over a standard elastomeric acrylic basecoat, such as Termaqua TA6100, Termaqua TA 6010 Basecoat Termaqua TA 6080 Primer/Sealer which could be used to seal the concrete substrate.</p> <p>Typical substrates include concrete ,concrete block., paving stones, etc. TERMAFLURO TF9700 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. TERMAFLURO TF9700 is an excellent barrier to plasticizer migration. The natural fire retardancy of the film provides long-term protection, eliminating the need for additional additives that eventually migrate from the film.</p>
COLOR	Most standard architectural colors (maybe pigment with heat reflective pigments)
GLOSS AT 60°	80-85° ASTM D523
COMPATIBLE SYSTEMS	Termaqua TA6100 Glassfilled Acrylic Roof Insulating Coating, Termaqua TA 6125 Insulating Coating, Termaqua 6200 Flexible Acrylic Crack Filler, Termaqua TA6010 Basecoat, Termaqua TA 6080 Primer Sealer
RESIN TYPE	Waterbased Co-Polymerized Fluoropolymer
SOLVENT	none
SOLIDS BY WEIGHT	45% ± 2% (depending on color) ASTM D2369
SOLIDS BY VOLUME	31% ± 2% (depending on color) ASTM D2697
AGED ELONGATION	after 1,000 hours accelerated Weathering – ASTM D2370: >100% = Pass
V.O.C. (Volatile Organic Compound) ASTM D2369	185-195 grams per litre (depending on color)



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WEIGHT PER GALLON	10.37 lbs/US Gal. ± .25%
RECOMMENDED DFT (DRY FILM THICKNESS)	2 to 4 mils DFT 200 to 250 sq. ft./gallon (4.9 to 6.4 m ² /l).
ELONGATION	ASTM D2370: 148% (±50%)
SPREADING RATE	12.2 sq. m. per litre @ 25 microns DFT 497 sq. ft. per U.S. Gal. @ 1 mil DFT
DRY TIME @ 25°C - 50% R.H. (relative humidity)	Approximately 6 hours @ 75°F (24°C) at 4 wet mils (100 microns)
VISCOSITY	100 KU
SURFACE PREPARATION	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 and ponding areas, dry, clean, and free of dirt, oils, curing agents, latence and grease. Moisture tests must be done to insure moisture content is below 15%.Use appropriate Termaclean Cleaner for the substrate being coated and appropriate pressure-washing techniques. 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 TERMAFLURO TF9700 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.
APPLICATION	Apply a single coat of TERMAFLURO TF9700 at the rate of 200 to 250 sq. ft./gallon (4.9 to 6.4 m ² /l). Contact Ternmarust Technical Service Department for additional information and requirements for specific product warranties.



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TENSILE STRENGTH	ASTMD 2370	828 psi (±150) (11.0 Mpa)
CLEAN UP:	Water	
PERFORMANCE DATA	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.