



THERM-O-FLEX™

ACRYLIC COATING SYSTEM

TF 1000 SERIES

PRODUCT DESIGN

Therm-O-Flex Coating System™ is a premium quality, fluid-applied, elastomeric roof coating manufactured using advanced all-acrylic polymer technology. The fully adhered seamless membrane exhibits outstanding reflectivity, adhesion, flexibility and water resistance.

TF 1000™ is designed to withstand the damp heat and ultra-violet rays of *humid environments*. Manufactured using the highest quality and most technologically advanced, 100% Acrylic Resins, **TF 1000™** is a water-based, non-toxic roof coating. This highly reflective roof coating protects roof substrates from moisture in a wide range of climates, is fire rated, UV resistant, and environmentally friendly.

PRODUCT USE

TF 1000™ is formulated for application over spray-applied polyurethane foam.

PRODUCT APPLICATION

All surfaces should be dry, clean and free from foreign matter. **TF 1000™** can be applied by brush, roller or sprayer. Although coverage can vary significantly with each application, general recommendations are a minimum of 3 gallons per 100 square feet applied in 2 coats allowing each coat to cure prior to subsequent coat. Product cleans up easily with water. For further application details, please contact Customer Service to obtain a Roof Application Guide. Do not apply when temperatures are below 50°F, expected to drop below freezing or when rain is forecast. Do not store in areas that may be subjected to freezing temperatures.

WARRANTY

Warranties are available for **TF 1000™** in 5 (five) and 10 (ten) year increments. Contact a LaPolla Industries, Inc. customer service representative for further details.

PRODUCT ADVANTAGES

- ENVIRONMENTALLY SAFE
- UL APPROVED
- FM APPROVED
- EXCELLENT ADHESION
- EXCELLENT DIRT RESISTANCE
- QUICKSET VERSIONS AVAILABLE
- FIELD APPLIED AND PROVEN SINCE 1977

PHYSICAL PROPERTIES

STANDARD COLORS: TF 1001 – WHITE
TF 1002 – GRAY
TF 1003 – TAN

TEXTURE: Smooth

GRADE: Spray or Roll

BASE: 100% Acrylic

SOLIDS BY WEIGHT:

67% (±3) [ASTM D1644]

SOLIDS BY VOLUME:

55% (±3) [ASTM D2697]

WEIGHT PER GALLON:

11.95 (± .2) [ASTM D1475]

TENSILE STRENGTH:

300psi (±25) [ASTM D412]

ELONGATION:

260% (±25) [ASTM D412]

DUROMETER HARDNESS:

62 Shore A (±2) [ASTM D2240]

TEAR RESISTANCE:

85 lbs/in. (±2) [ASTM D624]

ADHESION: [ASTM C794 / D903]

7.0 plf PUF(dry)

3.6 plf PUF(wet)

1.4 plf Galv. Steel (dry)

3.0 plf Galv. Steel (wet)

PERMEANCE:

11 U.S. Perms @ 20mils [ASTM D1653A]

VISCOSITY:

110 K.U. (±8)

PHYSICAL PROPERTIES (Continued)

CODES/APPROVALS:

Energy Star, ICC, UL,
ASTM D6083

REFLECTIVITY:

NEW: 85% AGED: 78%

EMMISSIVITY: .89

MATERIAL SAFETY & HANDLING

Storage:

The minimum recommended storage temperature for this material is between 13°C/55°F and 32°C/90°F. Keep from freezing, material may coagulate.

Personal Protection:

Use safety glasses and chemically resistant gloves when handling materials.

FIRST AID

Inhalation: Remove to fresh air. Consult a physician.

Eye Contact: Irrigate with water for 15 minutes. Consult a physician if irritation persists.

Skin Contact: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion: If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.



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