



# THERM-O-FLEX™

## ACRYLIC COATING SYSTEM

### TF 1500 HT SERIES

#### PRODUCT DESIGN

**Therm-O-Flex Coating System™** is a premium quality, High Tensile formulated, 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 1500 HT™** is designed to withstand the intense heat and ultra-violet rays of extreme desert environments. Manufactured using the highest quality and most technologically advanced, 100% Acrylic Resins, **TF 1500 HT™** 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 UV resistant and environmentally friendly.

#### PRODUCT USE

**TF 1500 HT™** is formulated for application over spray-applied polyurethane foam.

#### PRODUCT APPLICATION

All surfaces should be dry, clean and free from foreign matter. **TF 1500 HT™** 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 Custom 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 1500 HT™** in 5 (five) and 10 (ten) year increments. Contact a LaPolla Industries, Inc. customer service representative for further details.

#### PRODUCT ADVANTAGES

- ENVIRONMENTALLY SAFE
- EXCELLENT ADHESION
- EXCELLENT DIRT RESISTANCE
- FIELD APPLIED AND PROVEN SINCE 1977
- FM APPROVED
- HIGH TENSILE PERFORMANCE FORMULATION

#### PHYSICAL PROPERTIES

**STANDARD COLORS:** TF 1501 – WHITE  
TF 1502 – GRAY  
TF 1503 – TAN

**TEXTURE:** Smooth

**GRADE:** Spray or Roll

**BASE:** 100% Acrylic

**SOLIDS BY WEIGHT:**  
64% ( ±3 ) [ASTM D1644]

**SOLIDS BY VOLUME:**  
54% ( ±3 ) [ASTM D2697]

**TENSILE STRENGTH:**  
675psi (±25) @ 70°F (21°C)  
[ASTM D412]

**ELONGATION:**  
455% (±25) @ 70°F (21°C)  
[ASTM D412]

**DUROMETER HARDNESS:**  
68-73 Shore A ( ±2 ) [ASTM D2240]

**PERMEANCE:**  
6.0 U.S. Perms @ 20mils  
[ASTM D1653A]

**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:** Move 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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