

Premium 100% Acrylic Base
Thermo-Flex 103

Technical Data Sheet

*Insulating • Elastomeric
Roof Coating & Sealant*

Product Data:

Vehicle: 100% Acrylic Resin

Solvent: Water

Flash Point: None

Drying Time: 4 hour to touch
(77°F & 50% relative humidity)
12–24 hours to re-coat

Elongation/Tensile @ 77°F:
Initial Elongation - 350%
Tensile Strength - 270 psi

Weight per Gallon: 10.6 lbs

Solids - Weight: 57%

Solids - Volume: 45%

Colors: White and
Custom Colors

V.O.C.: 0.54 lbs/gal

Environmentally Friendly

Keep Out of Reach of Children

Product will freeze below 32°F (0°C)



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Product Description: A water-based, insulating highly flexible, elastomeric coating formulated with premium 100% acrylic resins and titanium dioxide to provide maximum bond strength. This combination ensures superior flexibility and strength, forming a continuous rubber-like blanket of protection that will expand and contract with your roof. The insulating barrier reduces heat transfer of building materials by reflecting back 80% to 90% of the sun's rays, resulting in improved comfort levels, lower heating and cooling load requirements and costs. Additional chemical agents are also incorporated to resist the effects of ultraviolet sunlight exposure, as well as, mold and fungus growth in warm and humid climates. *Thermo-Flex 103* is exceptional on roof surfaces subject to high expansion and contraction.

Typical Uses: *Thermo-Flex 103* is engineered and developed to perform well under severe commercial, residential, industrial, agricultural and institutional applications. Use on asphalt, fiberglass, or asbestos shingles, concrete or clay tile, rolled roofing, B.U.R. roofs, metal roofing (baked enamel, aluminum and corrugated) and single ply roofing (EPDM, TPO, PVC). **If rusted metal is present, you must apply a spot primer to the rusted area - see *Metal-Koat 102 Rust Inhibitive*.**

Surface Preparation: Surface must be clean, dry, and free of dirt, grease, and mildew. Remove any trace of mildew by washing with a solution that kills mildew spores. Old coating or residue that is loose or peeling must be removed by scraping, sanding, wire brushing, or pressure washing. Avoid using cleaners with built-in wax or silicone additives since this may affect coating bond. Make any necessary repairs or replacements to damaged or leaking roof material. Rusty metal surfaces should be primed with the proper material, see *Metal-Koat 102, Rust Inhibitive*. **If repairs are needed, please refer to "Go Green Roof Repair".** **IMPORTANT: Where ponding water conditions persist beyond 48 hours, roof drains or other corrective measures must be installed to eliminate water build-up prior to coating the roof.**

Application: Maximum adhesion and durability is achieved only when the surface is clean, dry, and properly prepared. Slope for positive drainage is recommended for any roofing application. Highly weathered surfaces may require additional coverage. Apply with a brush, roller (1¼" Nap), or spray equipment (Airless Sprayer – flow output 1 gpm, minimum pressure 3000 psi, tip size 0.0623 (minimum)). Drying time is retarded by very high humidity. Do not apply at temperatures below 50°F. Coating should have ample time to surface dry before evening dew sets or it is rained upon.

Equipment Clean Up: Clean brushes, rollers, spray and other equipment immediately after use with hot soapy water.