THERMOTEK
PROTEGE LO QUE MÁS QUIERES

GOLD +PLUS
WHITE ELASTOMERIC COATING

DESCRIPTION
High volume solids roof coating manufactured with a high quality styrene - acrylic resin. THERMOTEK™ Gold PLUS is a single component coating that exhibits tremendous adhesion to the substrate while providing for film build for a total roof coating system.

KEY TECHNOLOGY FEATURE
Styrene - Acrylic roof coating

PROPERTIES:

Physical Property	Test Method (ASTM)	Value
VOC Content	ASTM D-3960	<50 g/L
Viscosity, cps	ASTM D-2196	100 KU's
Density gr/ml (lb/gal)	ASTM D-1475	11,51 ± 0.1
Appearance	INTERNAL	LIQUID
Type	INTERNAL	Water based product
Color	INTERNAL	White
Solar Reflectance	ASTM C-1549	0.88
Solar Reflectance Index	CRRC	111
Thermal Emittance	ASTM C-1371	0.9
Solids by volume, %	ASTM D-1644	49,0 ± 1
Solids by weight, %	ASTM D-1644	63
Elongation, %	ASTM D-412	200 min
Dying time for water resistance	ASTM D-1640	8 Hour *Required time will increase depending on humidity
Total Dryingtime	ASTM D-1640	12 Hours
Tensile Strength, lb/in2 (Mpa)	ASTM D-412	200 MIN

ADVANTAGES
- Provides permanent waterproofing protection
- Extends the life or your roof
- Improve your home's energy efficiency - reduces heating & cooling costs
- Low maintenance cost
- Greater life expectancy with maintenance and recoats
- Reduces thermal shock
- Excellent adhesion to most of the substrates

SUBSTRATES - OVER WHAT
- METAL
- POLYURETHANE SPRAYED FOAM
- CONCRETE
- MODIFIED BITUMEN MEMBRANES (GRANULATED FINISH) (previous blocking of yellowing)
- ACRYLIC ROOF COATINGS
- ASPHALT BUILT-UP SURFACES (previous blocking of yellowing)
- ASPHALTIC ROOF SYSTEMS (previous blocking of yellowing)
- STUCCO
- MORTARS
- SELF ADHESIVE ROOF MEMBRANES

APPLICATION TOOLS
Brush, roller, conventional or airless spray (2000-3000 PSI-.041 Type Size, 1-3GPM

WEATHER REQUIREMENTS FOR OPTIMAL PERFORMANCE
Never applied over 104°F (40°C) and under 50°F (10°C),bFor application in extreme temperatures (below freezing point or above 120°F (49°C)), contact THERMOTEK™ Technical Support; for cold weather application, keep material stored above 50°F (10°C).

MIXING
Every time you open a new or used bucket you need to mix between 3 to 5 minutes either by hand or with a mechanical mixer.

APPLICATION PROCESS

PREPARATION
Surface to be coated must be clean, dry and free of any oil, grease or dirt. Pressure washing is recommended. Any existing coating must be checked for good adhesion. Any loosely adhered coating must be removed by mechanical means such as wire brushing, sand blasting or scraping.

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SURFACE PREPARATION
Surfaces must be prepared, cleaned and checked for compatibility. If some areas hold excessive ponding water they must be brought into conformance by installing proper drains.

New asphalt shall be exposed to ambient conditions for 90 to 120 days before coating. Deteriorated or corroded metal shall be replaced. Rusted areas shall be mechanically abraded to remove rust and then primed with THERMOTEK™ Metal Primer. Perform a coating adhesion test on different sections of the roof before doing the entire job. Refer to our application specifications for detailed installation instructions.

PRIMING AND REVIEW CRITICAL POINTS
Apply the appropriate primer to the substrate, with a brush, roller or conventional airless equipment

The flashing areas, drip edges, cracks, control joints, seams are to be treated with THERMOTEK™ Mastic along with THERMOTEK ™ Fabric.

Apply a thin coat of THERMOTEK™ COATING over the seam and roll out 6" or 12” (15 or 30 cm), then apply the THERMOTEK™ Fabric Mesh over coating sealing the seam and using a brush or rollers eliminate air pockets and gaps. Then apply another coat of THERMOTEK™ COATING over the Mesh. Encapsulate the Mesh and feathering it at least 2" to 3" past the edge of the Mesh.

COATING
Apply the THERMOTEK COATING in two coats with Roll, brush or airless equipment

In concrete roof bigger than 1,000 sq ft you need to install THERMOTEK FABRIC MESH in all the surface. Apply a coat of THERMOTEK™ COATING and then roll the fabric over the wet coat making sure there are no air pockets and the fabric lays as flat as possible then apply the final coat of the THERMOTEK™ COATING saturating the fabric.

Apply the first coat of THERMOTEK™ COATING with brush, ¾” nap woven roller, and with a proper high-pressure commercial spray equipment. then allow it to dry, if the temperature equal to or greater than 55°F (13°C) the drying time will be a minimum of 8 hours (or until it can be safe to walk on).

Then apply the second coat of THERMOTEK COATING perpendicular to the first coat and let it dry.

YIELD
Depending on specifications, warranty and type of surface it will cover on:

- SMOOTH SURFACES two coats required - 1.0 - 1.5 gallon per 100 sqft. per coat
- ROUGH AND GRANULATED SURFACES- two coats required - 1.5 - 2.0 gallon per 100 sqft. per coat

DRYING TIME
6 to 12 Hours *Required time will increase depending on humidity

PACKAGING
Bucket 5.0 gallon, Drum 55 Gallon, Tote 275 Gallon

COLORS
White

STORAGE
Store container in cool, dry, protected areas, and keep from freezing. Keep container tightly closed when not in use

SHELF LIFE
Maximum storage is two years.

COMPLIANCES / CERTIFICATIONS
- Meets the requirements of California Energy Commission Title 24, Section 118(i)
- UL Classified and Fire Rated
- Cool Roof Rating Council (CRRC) Product ID#0734-0010
- Miami Dade

WHERE TO USE THESE PRODUCT
Its excellent adhesion allows the application over various substrates including: Asphalt Built-up, Modified Bitumen Membrane (over this subtrates need especial primer system), concrete, metal, single ply and polyurethane Foam.

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MAINTENANCE / CLEAN UP
This system requires cleaning every twelve months using detergent (such as TSP or TSP substitute) and water only. Clean application tools and equipment with clean water. DO NOT USE SOLVENTS.

FOR BEST PERFORMANCE
Do not apply THERMOTEK® COATINGS when temperature is below 40°F, or if cold weather, rain or fog is expected within 48 hours of application.
Do not use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers.

THERMOTEK® COATINGS cure through dehydration. Drying time may vary depending onweather conditions, such as, temperature, humidity and nlight.
Should not be installed over cold storage tanks or buildings where a vapor barrier is required. THERMOTEK® COATING will freeze at temperatures below 32°F (0°C), or when there is a possibility of temperatures falling below 32°F (0°C) within a 24 hour period after application

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
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