



SILVER +PLUS

WHITE ELASTOMERIC COATING

DESCRIPTION

THERMOTEK™ Silver PLUS is a high volume solids roof coating manufactured with a high quality styrene - acrylic resin.

THERMOTEK™ Silver PLUS is a single component coating that exhibits tremendous adhesion to the substrate while providing for film build for a total roof coating system.

THERMOTEK™ Silver PLUS gives the following benefits:

Reflects up to 88% of sun's head and U.V., Lower roof and interior temperatures, Prolongs roof life, reduces air conditioning costs.

PROPERTIES:

| Physical Property | Test Method (ASTM) | Value |
|---------------------------------|--------------------|--|
| VOC Content | ASTM D-3960 | <50 g/L |
| Viscosity, cps | ASTM D-2196 | 100 min. |
| Density gr/ml (lb/gal) | ASTM D-1475 | 11.13 ± 0.1 |
| Appearance | INTERNAL | LIQUID |
| Type | INTERNAL | Water based product |
| Color | INTERNAL | White |
| Solar Reflectance | ASTM C-1549 | 0.87 |
| Solar Reflectance Index | CRRC | 110 |
| Thermal Emittance | ASTM C-1371 | 0.89 |
| Solids by volume, % | ASTM D-1644 | 42,0 ± 1 |
| Solids by weight, % | ASTM D-1644 | 56 |
| 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 |

PACKING

5.0 gallons (55 lbs)

275 gallons (3165.25lbs)

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.

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™ 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.

APPLICATION TOOLS

Brush, Roller, Conventional or Airless Spray (2000-3000 PSI-.041 Type Size, 1-3GPM)

APPLICATION

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

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.

CURING TIME

12 to 24 Hours *Required time will increase depending on humidity

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.





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APPROVALS AND CERTIFICATIONS

| | | | |
|--|---------------------------|------------------------|--------------------------|
| | Solar Reflectance | Initial 0.87 | Weathered 0.80 |
| | Thermal Emittance | 0.89 | 0.87 |
| | Rated Product ID Number | 0009 | |
| | Licensed Seller ID Number | 0734 | |
| | Classification | Production Line | |

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.
Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.



⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
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 MN 55379 USA • Customer Service 1 (800) 433-9517 Technical Service
 • 1 (800) 243-6739 • www.thermotekgroup.com

We as THERMOTEK GROUP guarantee that since our products are shipped from the production plant they will be free of manufacturing defects; all the recommendations contained herein follow tests we consider as reliable and are subject to change without prior notice. THERMOTEK GROUP does not assume any responsibility for coverage, performance on injuries resulting from storage, handling or use of our products. Liability, if any, is limited to product replacement, to the terms stated within the executed warranty. TDS V5 - 2016.05.

