

TECHNICAL DATA SHEET

THERMOTEK™ SILICONE PRIMER

SINGLE COMPONENT SILICONE
COATING COMPLEMENT

DESCRIPTION

THERMOTEK™ SILICONE PRIMER is a high quality single component moisture cure silicone-based primer with excellent adherence to porous and non-porous surfaces. It is resistant to stains and blisters, and exhibits excellent alkali resistance over masonry surfaces as well to corrosion resistance over metal.

PROPERTIES

Physical Property	Test Method (ASTM)	Value
Appearance	INTERNAL	LIQUID
Type	INTERNAL	100% SILICONE PRIMER
Color	INTERNAL	BEIGE
Solids by volume, %	ASTM D-1644	65.0 ± 2.0
Solids by weight, %	ASTM D-1644	78.0 ± 2.0
Density, gr/ml	ASTM D-1475	1.26 ± 0.02
Elongation, %	ASTM D-412	≤ 100
Drying time for water resistance	ASTM D-1640	1 TO 4 HOURS*
Total drying time	ASTM D-1640	8 TO 24 HOURS*
Fungus resistance	ASTM G-21	APPROVED
Tensile Strength, lb/in ² (MPa)	ASTM D-412	≤ 200 (1.38)
Accelerated weathering	ASTM G-151 & G-154	NO DETERIOUS EFFECTS AFTER 5,000 HOURS
Low Temperature Flexibility, (-14.8 °F, 9.6 °C)	ASTM D-522	APPROVED
Water Permeability, perms	ASTM E-96	≥ 10

SURFACE PREPARATION

For coating, the surface must be clean, dry and free of any oil, grease, dirt and any other contaminants that may interfere the proper adhesion (pressure washing is recommended). Rusted areas shall be mechanically abraded and deteriorated metal shall be replaced. Any loosely adhered coating must be removed; bare surfaces must be prepared and checked for compatibility. Follow our roof repair procedures and ALWAYS perform a coating adhesion test before doing the entire roof.

PACKAGING

5-gal bucket and 55-gal drum.

APPLICATION TOOLS

THERMOTEK™ SILICONE PRIMER can be applied by brush, squeegee or ¾" nap woven roller.

APPLICATION METHOD

Prepare the surface and mix the content of the bucket during 3 minutes. Then, apply THERMOTEK™ SILICONE PRIMER directly to the surface with the application tools previously referred above (no thinning is needed). NOTE: for detailed installation see the application guide.

CAUTION:

THERMOTEK™ SILICONE PRIMER should not be applied at temperatures below 40 °F (4.5 °C) or if rain is expected within 1 to 4 hours after the application. The required cure time could vary depending on humidity and temperatures (low temperatures increase the curing time). NOTE: For better energy savings, the roof must be cleaned yearly, refer the MSDS for further information.

STORAGE

Store the container at a temperature below 75 °F (24 °C), keep it closed in cool, dry, protected areas, away from freezing. Shelf life is 1 year



SILICONE COMPLEMENT

USAGE

THERMOTEK™ SILICONE PRIMER is an ideal product for use in maintenance coating systems over pre-existing elastomeric roofing in sound conditions. It can be used over many different types of roofing systems such as: metal, wood, SPF, FRP, modified bitumen membranes, etc.

ADVANTAGES

- Is easy to apply.
- High resistance to heat, cold, chemicals, solvents, rain, snow and pollutants in the air.
- Cures to moisture to form a hard luterless coating.

PROPERTIES

- Does not generate a vapor barrier.
- Eliminates usage of emulsions.
- Prevents / stops the development of bacteria, fungi and algae.

COVERAGE

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

- SMOOTH SURFACES - 1 gallon per 100 square feet.
- ROUGH AND GRANULATED – 1.5 gallons per 100 square feet.

APPROVALS AND CERTIFICATIONS



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 V2 – 04.16.

CONTACT US

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