



X99 Roof Coating



DESCRIPTION

THERMOTOTEK™ X99 SILICONE is a solvent-free single component elastomeric waterproof 100% silicone coating with high solids content manufactured to provide long-lasting protection to your roof. Its superior weathering and water resistant characteristics make THERMOTOTEK™ X99 SILICONE the ultimate protection against ponding water.

PROPERTIES:

Physical Property	Test Method (ASTM)	Value
VOC Content	ASTM D-3960	<25
Viscosity, cps	ASTM D-2196	MIN 5000
Density gr/ml (lb/gal)	ASTM D-1475	1.36 +/- 0.02 (11.4 +/- 0.5)
Appearance	INTERNAL	LIQUID
Type	INTERNAL	100% SILICONE ROOF COATING
Color	INTERNAL	White
Whiteness	ASTM E-313	80 +/- 2
Solar Reflectance	ASTM C-1549	0.88
Solar Reflectance Index	CRRC	110
Thermal Emittance	ASTM C-1371	0.89
Solids by volume, %	ASTM D-1644	97 +/- 2
Solids by weight, %	ASTM D-1644	97 +/- 2
Elongation, %	ASTM D-412	>= 200
Dying time for water resistance	ASTM D-1640	1 TO 4 HOURS*
Total Dryingtime	ASTM D-1640	8 TO 24 HOURS*
Fungus Resistance	ASTM G-21	APPROVED
Tensile Strength, lb/in2 (Mpa)	ASTM D-412	200 (1.38)
Accelerated weathering	ASTM G151 & G-154	NO DELETERIOUS EFFECTS AFTER 5,000 HOURS
Low Temperature Flexibility (14.8 F, 9.6 C)	ASTM D-522	APPROVED
Water Permeability, perms	ASTM E-96	<2.5
Hardness Shore A	ASTM D-2240	38

PACKING

5 Gallon bucket

PREPARATION

Prior installation, surface must be clean and free of any contaminant that may interfere with proper adhesion. For application in extreme temperatures (below freezing point or above 120°F (49°C)), contact THERMOTOTEK Technical Support; for cold weather application, keep material stored above 65°F (18°C).

SURFACE PREPARATION

Roof 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.

APPLICATION TOOLS

THERMOTOTEK™ X99 SILICONE can be applied by brush, squeegee, ¾" nap woven roller, and with a proper high-pressure commercial spray equipment.

APPLICATION

THERMOTOTEK™ X99 SILICONE is an ideal product for use as a maintenance coating system over pre-existing elastomeric roofing in sound conditions. It can be used over many different types of roofing systems and substrates such as:

- METAL
- WOOD
- POLYURETHANE SPRAYED FOAM
- FPR
- MODIFIED BITUMEN MEMBRANES (GRANULATED FINISH) (previous blocking of yellowing)
- ACRYLIC ROOF COATINGS
- RIGID FOAM INSULATION
- XPS (RIGIS EXTRUDED POLYSTYRENE
- ASPHALT BUILT-UP SURFACES (previous blocking of yellowing)
- CONCRETE





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CLEAN UP

This silicone system requires cleaning every three months using detergent (such as TSP or TSP substitute) and water only. Clean application tools and equipment with 100% Pure Mineral Spirit. DO NOT USE WATER OR RECLAIMED SOLVENTS.

CURING TIME

THERMOTEK X-99 need to dry at a temperature equal to or greater than 55°F (13°C) a minimum of 8 hours and no more to 72 hrs (or until it can be safe to walk on).

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

These products can be stores for a period of 1 year from its manufacture.

APPROVALS AND CERTIFICATIONS

- NATIONAL ROOFING CONTRACTORS ASOCIATION (MEMBER)
- California Energy Commission Title 24
- Cool Roof Rating Council (CRRC) Product ID#0734-0018.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
BASF Corporation Construction Systems • 889 Valley Park Drive Shakopee, 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.

