



# SILICONE MASTIC



## DESCRIPTION

THERMOTOTEK SILICONE MASTIC is a single component silicone-based, fiber grade sealant with excellent adherence to porous and non-porous substrates. It is resistant to stains and blisters, and exhibits high alkali resistance over masonry surfaces as well to corrosion resistance over metal, it is versatile, flexible and is easily brush or trowel-applied at thicknesses up to 1/4".

## PROPERTIES:

Physical Property	Test Method (ASTM)	Value
Viscosity, cps	ASTM D-2196	MIN 1000
Density gr/ml (lb/gal)	ASTM D-1475	1.26 +/- 0.02 (10.46 +/- 0.5)
Whiteness	ASTM E-313	N/A
Solar Reflectance	ASTM C-1549	N/A
Thermal Emittance	ASTM C-1371	N/A
Solids by volume, %	ASTM D-1644	96 + 2
Solids by weight, %	ASTM D-1644	97 + 2
Elongation, %	ASTM D-412	200 MIN
Dying time for water resistance	ASTM D-1640	1 TO 3 HOURS
Total Dryingtime	ASTM D-1640	4 TO 24 HOURS
Tensile Strength, lb/in2 (Mpa)	ASTM D-412	250 MIN
Low Temperature Flexibility (14.8 F, 9.6 C)	ASTM D-522	APPROVED
Hardness Shore A	ASTM D-676	50

## 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

For coating, the surface must be clean and dry, this means to be free of any: oil, grease, dirt, water, ponding conditions and/or debris (pressure washing is recommended). Prior application, the surface must be prepared and verified for compatibility. Any existing coating must be checked for good adhesion (i.e. if there is any loosely adhered coating, it must be mechanical removed by

wire brushing, sand blasting or scraping). If some areas hold excessive ponding water, they must be brought into conformance by installing proper drains. New asphalt shall be exposed to environmental conditions between 90 to 120 days before coating. Rusted areas shall be mechanically abraded to remove rust.

## APPLICATION TOOLS

Application tools needed for installation: caulking gun, brush, trowel and putty knife.

## APPLICATION

THERMOTOTEK SILICONE MASTIC forms a durable, weather resistant seal used to prime: penetrations, skylights, seams, sealing holes, etc over concrete, metal and wood surfaces, SPF, FRP, Modified Bitumen membranes (granulated finish), acrylic roofing, and Asphalt Built-Up surfaces.

## 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

THERMOTOTEK SILICONE MASTIC need to dry at a temperature equal to or greater than 55°F (13°C) a minimum of 1 hours and no more to 4 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.





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## APPROVALS AND CERTIFICATIONS

- NATIONAL ROOFING CONTRACTORS ASSOCIATION (MEMBER)

## PACKING

5 Gallon bucket

**⚠ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://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](http://www.thermotekgroup.com)

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