

TECHNICAL DATA SHEET

THERMOTEK™ EPOXY PRIMER

SILICONE PRIMER
COATING COMPLEMENT

DESCRIPTION

THERMOTEK™ EPOXY PRIMER is based on 2 mixed components (EPOXY PRIMER A and EPOXY PRIMER B) which are mixed in volume ratio of 1: 1. This multipurpose primer is formulated with dispersions of epoxy resins and high quality amines. Its low VOC level, classifies it as an ecological product. The combined color of this primer is light green, Part A is light green, Part B is beige.

PROPERTIES

Physical Property	Test Method	Result
Appearance	INTERNAL	VISCOUS LIQUID
Color	INTERNAL	LIGHT GREEN
Type	INTERNAL	TWO-COMPONENT WATER-BASED EPOXY
Mixing Ratio Component A and B	INTERNAL	1 to 1
Viscosity, Kus	ASTM D-562	100 +/- 10
pH	ASTM E-70	8.5 +/- 0.5
Solids by weight, %	ASTM D-1644	57.5 +/- 2.0
Solids by volume, %	ASTM D-2697	42 +/- 2.0
Density, gr/ml	ASTM D-1475	1.385 +/- 0.03
Pencil Test, 14 days	ASTM D-3363	>2H
Metallic Adhesion, 14 days	ASTM D-3359	100%
Solvent rub test, MEK, MIBK	ASTM D-5402	> 300
Water immersion test, 7 days	ASTM D-870	APPROVED
Drying time for water resistance	ASTM D-5895	2 HOURS
Total drying time	ASTM D-1640	12 TO 24 HOURS*
Pot Life, Hrs	INTERNAL	2 HOURS

SURFACE PREPARATION

For coating, the surface must be clean and dry, pressure washing with THERMOTEK™ WASH 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 mechanically 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

THERMOTEK™ EPOXY PRIMER can be applied by squeegee and ¾" nap woven roller.

APPLICATION METHOD

Prepare the surface and mix separately each component (EPOXY PRIMER A and EPOXY PRIMER B). Immediately, mix component A and component B in volume ratio of 1: 1 per 3 minutes. This mixture will give us a Pot Life 2 hours, Pot Life can be reduced to an hour, according to environmental conditions. For brush and roller application apply THERMOTEK™ EPOXY PRIMER directly to the surface. For airless spray application, dilute 10-20% with clean water.

Do not mix it with other products. Stir the product before use it. Do not apply on damaged/neglected/wet roofs. NOTE: for more information about coverage rates please verify THERMOTEK™ Application Guide.

1) PREPARATION TO APPLY ON ROUGH SURFACES (WITH GRANULES):

1 GALLON OF THERMOTEK EPOXY PRIMER (A+B) +20% WATER = MAKES 2.86 SQ (286 sqft)

PART A = 1/2 gal

PART B = 1/2 gal PLUS 20% CLEAN WATER = 1/5 gal

2) PREPARATION TO APPLY IS ON SURFACE SMOOTH (WITHOUT GRANULES):

1 GALLON OF THERMOTEK EPOXY PRIMER (A+B) +20% WATER = MAKES 3.33 SQ (330 sqft)

PART A = 1/2 gal

PART B = 1/2 gal PLUS 20% CLEAN WATER = 1/5 gal



CAUTION:

THERMOTEK™ EPOXY PRIMER should not be applied at temperatures below 50 °F (10 °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.

USAGE

THERMOTEK™ EPOXY PRIMER is engineered for bonding coating systems in sound conditions. This primer prevents the corrosion and offers excellent adhesion to a variety of surfaces including metal, wood, masonry, SPF, and more. On asphalt-based surfaces help to prevent the bleeding and reduce the yellowing.

ADVANTAGES

- Easy application.
- Suitable with many substrates.
- Excellent surface adhesion.
- Prevents / stops the corrosion.
- High resistance to acids and alkaline solutions.
- Solvent Resistance
- Resists Water Immersion
- Prevents bleeding.
- Reduces the yellowing.

STORAGE

Store the container at a temperature between 50 to 79 °F (10 to 26 °C), keep it closed in cool, dry, protected areas, away from freezing. Shelf life is 1 year.

CONTACT US

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THERMOTEK™
EPOXY PRIMER

SILICONE PRIMER
COATING COMPLEMENT

PACKAGING
Part A 5 gallon bucket
Part B 5 gallon bucket

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.
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