

# TECHNICAL DATA SHEET

## THERMOTEK™

### BASE COAT

PROFESSIONAL GRADE  
ELASTOMERIC ROOF COATING  
COMPLEMENT

#### DESCRIPTION

THERMOTEK™ BASE COAT is a single component roof coating manufactured with a high quality styrene - acrylic resin that exhibits tremendous adhesion to the substrate and provides a film build for a total roof coating system.

#### PROPERTIES

Physical Property	Test Method	Result
Appearance	INTERNAL	LIQUID
Type	INTERNAL	BASE COAT
Color	INTERNAL	LIGHT GRAY
pH	ASTM E-70	9,0 ± 0,5
Solids by weight, %	ASTM D-1644	45,0 MIN
Solids by volume, %	ASTM D 2697	53,0 MIN
Viscosity, KU` s	ASTM D-562	100 MIN
Density, lb/gal	ASTM D-1475	11,13
Elongation, %l	ASTM D 2370	50 MIN
Drying time for water resistance	ASTM D-1640	12 HOURS*
Total drying time	ASTM D-1640	24 HOURS*
Fungus resistance, rating	ASTM G21	APPROVED
Tensile strength, lb/in <sup>2</sup>	ASTM D-2370	200 MIN

\*Required time will increase depending on humidity.

#### SURFACE PREPARATION

For coating, the surface must be clean and dry, 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. If there is any loosely adhered coating, it must be removed. 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 and then primed with THERMOTEK™ RUST PRIMER (deteriorated metal shall be replaced). Perform a coating adhesion test before doing the entire job.

#### APPLICATION TOOLS

THERMOTEK™ BASE COAT can be applied using brush, roller, conventional or airless spray.

#### APPLICATION METHOD

Prior application, the flashing areas, drip edges, cracks, control joints and seams must be sealed with THERMOTEK™ DURA MASTIC and POLYESTER MESH. For the THERMOTEK™ BASE COAT application, apply a thin coat of THERMOTEK™ BASE COAT over the seams and roll out 6" or 12" (15 or 30 cm) over POLYESTER MESH (use a brush or a roller to remove the air pockets and gaps). Then, apply another coat of THERMOTEK™ BASE COAT, and encapsulate the polyeter mesh and the feathering at least 2" to 3" (5 or 8 cm) beyond the edge of the Mesh. If POLYESTER MESH will be installed over the entire roof surface apply a coat of THERMOTEK™ BASE COAT on the roof surface at a rate of 3.0 gallons per 100 ft<sup>2</sup> (two coats, 1.5 gallons per 100 ft<sup>2</sup> each one). Encapsulate the edge of the mesh in order it is anchored, wait until it dries perfectly (2 to 4 hours approximately) and apply with brush or airless spray any of ours THERMOTEK® Acrylic Coatings. **NOTE: Refer to our application guide for detailed instructions.**

#### PACKAGING

5-gal bucket.

#### CAUTION

THERMOTEK™ BASE COAT should not be installed over cold storage tanks or buildings where a vapor barrier is required. THERMOTEK™ BASE COAT will freeze at temperatures below 32°F (0°C), or when there is a possibility of temperatures falling below 32°F (0°C) within a 24 hour period after application. It requires complete evaporation of water to cure. Cool temperatures and humid weather retard cure. Do not apply if weather conditions will not permit complete cure before rain, dew, fog or freezing temperatures occur. THERMOTEK™ BASE COAT should never be exposed to ponding conditions. For better energy savings, it should be cleaned yearly. **NOTE: for proper handling refer to MSDS. For specific information on safety requirements refer to OSHA guidelines**



ELASTOMERIC COMPLEMENT

#### USAGE

THERMOTEK® BASE COAT has excellent adhesion and allows its application over various substrates including: Asphalt Built-up, Modified Bitumen Membrane, concrete, etc. Due to its versatility application it can be top coated with a wide variety of finish coats.

#### ADVANTAGES

THERMOTEK™ BASE COAT:

- Is ready to use and easy to apply.
- Provides high adhesion strength.
- Is water-based.
- Is nontoxic, and nonflammable.

#### COVERAGE

Depending on specifications, warranty and type of surface, it will cover 2 layers of 1.5 gallons per 100 sq. ft.

#### APPROVALS AND CERTIFICATIONS



#### STORAGE

This product should be stored closed in a cool and dry place, preferably roofing. The storage temperature should be greater than 41 ° F (5 ° C) and below 113 ° F (45 ° C). Shelf maximum storage is two years.

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 V3 - 2016.05.

## CONTACT US

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