



TECHNICAL DATA SHEET

THERMOTEK® FABRIC/MESH

Professional grade stichbonded polyester reinforcement materials.

DESCRIPTION

THERMOTEK® FABRIC and THERMOTEK® MESH are stichbonded, 100% polyester rolls specifically for use with elastomeric roof coatings. Both the FABRIC and MESH are very flexible and designed to be used over regular or irregular surfaces while maintaining high elongation and strength properties.

PHYSICAL PROPERTIES

PROPERTY	SINGLE	TEST METHOD
Fabric Weight (gr/m ²)	28 + - 2	ASTM D-1910
Thickness(0.001")	7	ASTM D-1777
Tensile Strength(lb/in ²)	DM 9 DC 1	ASTM D-15036
Elongation at break (%)	DM 31 DC 18	ASTM D-1000

USAGE

They are used in the different waterproof systems to give structural rigidity to the finishes. THERMOTEK® FABRIC is designed to reinforce large roof areas that are heavily alligatored or contain numerous cracks, seams, joints or splits. THERMOTEK® MESH is used to reinforce detail areas such as seams, splits, drains and vents through the roof surface.

PACKAGIN

FABRIC is supplied in 42" (106.6 cm) width by 328' (101m) length rolls. MESH is available in 4" (10 cm), 6" (15 cm) and 12" (30 cm) width by 328' (101 m) length rolls.

SURFACE PREPARATION

Surface to be coated must be clean, dry and free of any oil, grease or dirt. Pressure washing is recommended. Any existing coating must be checked for good adhesion. Any loosely adhered coating must be removed by mechanical means such as wire brushing, sand blasting or scraping. Surfaces must be prepared, cleaned and checked for compatibility. If some areas hold excessive ponding water they must be brought into conformance by installing proper drains. New asphalt shall be exposed to ambient conditions for 90 to 120 days before coating. Deteriorated or corroded metal shall be replaced. Rusted areas shall be mechanically abraded to

remove rust and then primed with THERMOTEK® PRIMER or THERMOTEK® CONCENTRATED PRIMER.

Perform a coating adhesion test on different sections of the roof before doing the entire job. Refer to our application specifications for detailed installation instructions.

APPLICATION

The THERMOTEK® FABRIC is used to reinforce large areas or the entire roof. When used it is embedded into the THERMOTEK® HI-BUILD BASE coat or other initial elastomeric coating material. The BASE material should be applied at a rate of 1.5 gallons per 100 ft². The FABRIC is worked into the BASE coat with a brush, broom or roller so that it is completely encapsulated within the coating. If needed, additional BASE material can be applied. Make sure to overlap the edges by at least 2".

When using the THERMOTEK® MESH over protrusions cut the MESH to a desired length so that it lies flat. Apply the THERMOTEK® ACRILIC CEMENT or THERMOTEK® COATING to a 1 foot area around where the MESH is too be installed. Embed the MESH into the wet coating and brush or roller the coating so the MESH floats within it ensuring it is completely embedded. Apply additional material to make the MESH is embedded if needed.

All reinforcement materials must lie flat so there is no air or tenting of the material.

STORAGE

Store the roll in cool, dry, protected areas. Shelf storage is two year.

Product information contained herein are presented in good faith and believed to be reliable. They do not constitute part of our terms and conditions of sale. It is also not a guarantee, either expressed or implied, that the data are correct or that products described are merchantable or fit for a particular purpose as methods of use are beyond our control. Customer should determine the suitability of our materials and installation recommendations before usage. Manufacturer's sole responsibility shall be to replace that portion of Thermotek product that proved to be defective.