

TECHNICAL
DATA SHEET



THERMOTEK™ USA
PRO POLYESTER
GRANULATED

MODIFIED ROOFING
MEMBRANE WITH APP

DESCRIPTION

THERMOTEK™ USA PRO POLYESTER GRANULATED is a tough modified bitumen membrane with APP (Polypropylene Atactic) and non-woven **polyester** mat which provides its high functionality characteristics. The top surface is available in fired ceramic granule and the bottoms has a polyethylene finish. Besides providing a pleasing appearance, this granulated surface coating is designed to provide a long-lasting protection for your property.

PROPERTIES

Physical Property	Test Method (ASTM)	Value
Dimensional Stability	D 5147	DOES NOT FLOW
Longitudinal Elongation, %	D 5147	45
Transversal Elongation, %	D 5147	45
Longitudinal Tensile Strength, N (lbf)	D 5147	400 (90)
Transversal Tensile Strength, N (lbf)	D 5147	294 (66)
Low Temperature Flexibility, 14 °F (-10 °C)	D 5147	DOES NOT BREAK

PRESENTATION

Product Specifications	
Roll Size	107.64 ft ² (10 m ²)
Roll Length	32.8 ft (10 m)
Roll Width	3.28 ft (1 m)
Top surface finish (Granule)	White, Light Brown, Dark Brown, Buff, Weatherwood, Slate
Coverage	93.6 ft ² per roll (8.7 m ²)

Thickness	Approx. Roll Weight
14" (3.5 mm)	101.41 lbs (46 kg)
.16" (4.0 mm)	114.64 lbs (52 kg)
.17" (4.5 mm)	127.87 lbs (58 kg)
.20" (5.0 mm)	141.09 lbs (64 kg)

SURFACE PREPARATION

The surface must be clean and dry, this means: free of any oil, grease, dirt, dust, water, snow, ponding conditions and/or debris prior to application.

APPLICATION TOOLS

Application tools needed for installation: metallic trowel with rounded tip, regulated blow torch, knife, hose and propane tank.

APPLICATION METHOD

Prior application, prepare and clean the surface, and apply SOLVENT BASED PRIMER. The application of THERMOTEK™ USA PRO POLYESTER GRANULATED must be with a regulated blow torch. *NOTE: for more information see the application guide.*

CAUTION:

Do not apply the product at temperatures below to 41 °F (5 °C) neither higher than 118 °F (48 °C). It is not recommended to apply the product when there is rain threat. It is recommended that the blow torch has a support to place it when it is not in usage, in order to avoid any burn or damage. The flame must be at least 6.56 ft (2 m) away from the propane tank. The propane tank must not be rusty and its control valve must be in a good condition. The hose must meet the required specifications for propane gas. *NOTE: for more information, see the MSDS*



MEMBRANE

USAGE

THERMOTEK™ USA PRO POLYESTER GRANULATED is designed for use in modified bitumen membrane systems or with conventional roofing, as well is also an ideal product for repairs.

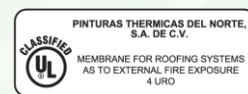
ADVANTAGES

THERMOTEK™ USA PRO POLYESTER GRANULATED:

- Has exceptional weathering characteristics.
- Is resilient to puncture and tear due to its flexibility and elongation percentages.
- Has excellent resistance to UV rays.
- Available systems up to 13 year guarantee coverage.

APPROVALS AND CERTIFICATIONS

- UL Classified 790 Fire Resistance Class A.
- UL Classified 1890 Up Lift Resistance



STORAGE

The product must be stored on a vertical position (never horizontal), inside a closed place to avoid its exposition to sunlight during long periods of time. Maximum load: two beds with a base between them. The roll must be handled with caution in order to not damage it and to avoid cutting the membrane.

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 V4 - 2014.11.

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