

TECHNICAL  
DATA SHEET



THERMOTEK™  
**USA PRO POLYESTER  
BASE SHEET**

MODIFIED ROOFING  
MEMBRANE WITH APP

**DESCRIPTION**

THERMOTEK™ USA PRO POLYESTER BASE SHEET is a tough modified bitumen membrane with APP (Polypropylene Atactic) and reinforced with non-woven polyester mat which provides its high functionality characteristics. The top surface has fired sand (or polyethylene) finish and the bottom surface has a polyethylene finish.

**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**

THICKNESS .08" (2.0 mm)	
Product Specification	
Roll Size	161.46 ft <sup>2</sup> (15m <sup>2</sup> )
Roll Length	49.20 ft (15 m)
Roll Width	3.28 ft (1 m)
Approx. Roll Weight	70.55 lbs (32 kg)
Top surface finish	Smooth, Sanded
Coverage	140.4ft <sup>2</sup> per roll (13.04m <sup>2</sup> )

THICKNESS .16" (3.8 mm)	
Product Specification	
Roll Size	107.64 ft <sup>2</sup> (10 m <sup>2</sup> )
Roll Length	32.8 ft (10 m)
Roll Width	3.28 ft (1 m)
Approx. Roll Weight	106.92 lbs (48.5 kg)
Top surface finish	Smooth, Sanded
Coverage	93.6 ft <sup>2</sup> per roll (8.7 m <sup>2</sup> )

THICKNESS .17" (4.0 mm)	
Product Specification	
Roll Size	107.64 ft <sup>2</sup> (10 m <sup>2</sup> )
Roll Length	32.8 ft (10 m)
Roll Width	3.28 ft (1 m)
Approx. Roll Weight	112.43 lbs (51 kg)
Top surface finish	Smooth, Sanded
Coverage	93.6 ft <sup>2</sup> per roll (8.7 m <sup>2</sup> )

**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 BASE SHEET 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.*

**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 or perforating the membrane.



MEMBRANE

**USAGE**

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

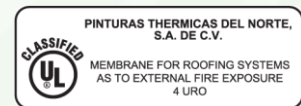
**ADVANTAGES**

THERMOTEK™ USA PRO POLYESTER BASE SHEET:

- Protects critical points facilitating application.
- Serves a waterproof base sheet for placing tiles or other ceramic finish.
- Has excellent UV resistance to UV rays, mechanical action and thermal shock.

**APPROVALS AND CERTIFICATIONS**

- UL Classified 790 Fire Resistance Class A.



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 - 2016.05.

**CONTACT US**

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