THERMOTEK
PROTEGE LO QUE MÁS QUIERES

SELF ADHESIVE
FIBERGLASS BASE SHEET

DESCRIPTION
Tough modified bitumen membrane with SBS (Styrene Butadyene Styrene) and reinforced with fiber glass which provides its high functionality characteristics. The top surface is available in different finishes (smooth and sanded) and the bottom surface has a release polyethylene back film.

KEY TECHNOLOGY FEATURE
ASPHALT BASE MODIFIED WITH SBS (STYRENE BUTADYENE STYRENE)

PROPERTIES:

Physical Property	Test Method (ASTM)	Value
ASPHALT MODIFIER	N/A	SBS STYRENE BUTADYENE STYRENE
FIBERGLASS REINFORCEMENT	N/A	0.018 lb/sqft (90 gr/m2)
Appearance	INTERNAL	ROLL
Type	INTERNAL	MODIFIED BITUMEN SELF ADHESIVE SBS MEMBRANE
Color	INTERNAL	SMOTH BLACK, OR SANDED GRAY.
Elongation longitudinal, %	ASTM D-5147	45
Elongation transversal, %	ASTM D-5148	45
Tensile longitudinal Strength, N (lb/in2)	ASTM D-5147	290 (65)
Tensile transversal Strength, N (lb/in2)	ASTM D-5148	147 (33)
Low Temperature Flexibility (14.8 F, 9.6 C)	ASTM D-5147	APPROVED
FIBERGLASS REINFORCEMENT lb/sqft (gr/m2)	N/A	0.018 (90)
Softening point min °F	ASTM D-36	284-293
Penetration 1/10 mm	ASTM D-5	22-24
Dimencional stability	ASTM D-5147	Does not flow

ADVANTAGES
• Prevents / stopleaks
• Provides permanent waterprofing protection
• Extends the life or your roof
• Due to its physical – chemical characteristics it provides excellent resistance, durability and elasticity
• To be used with high temperatures and/or low temperatures climates
• Waterproofing surfaces with resistance to thermal – structural medium movements
• It has excellent resistance to UV rays and to the mechanical action, as well as thermal shock
• Excellent adhesion to any porus substrate
• Ponding water resistance
• Not need a torch to be installed
• Excelelent in areas where there are tanks with solvent products
• Excelelent over flammable substrates by not requiring fire for its placement

SUBSTRATES
• WOOD
• ASPHALT BUILT-UP SURFACES
• CONCRETE
• POLYSOCYANURATE

APPLICATION TOOLS
Metallic trowel with rounded tip, cutting knife and pressure roller.

INSTALLATION PROCESS

PREPARATION
Roof need to be completly finisth to start working on the coating, slabs, parapets and other elements must be free of any masonry work, electrical & plumbing.

The surface must have a sizeable slope sufficiently to allow the evacuation of rainwater, at least 2%.

If any area that by their design tend to create hidden corners, diamonds should be made to draw water from these corners and redirect them to the general slope, these diamonds should have a minimum of 5%, starting at the top of the chamfer and ending at the level of the surface.

SURFACE PREPARATION
Surface must be clean, dry free of any grease or dirt. Pressure washing is recommended. Any existing coating must be removed by mechanical means such as wire brushing, sand blasting or scraping.

Scrape the surface to remove any adhered substance or mixture. The surface should be roughened to a depth of a minimum width of 2” in asphalt, or 4” in CONCRETE, less 8.0mm of the proposed waterproof roofing system.

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Surface could have a rough finish if it allows the adherence of the roofing system and being careful by not leaving holes or bumps. A smooth surface it is not mandatory. The surface should be as smooth as possible to prevent ponding water

PRIMING AND REVIEW CRITICAL POINTS

Apply ASPHALT BASE PRIMER (ASTM D-41 type primer) by brush or roller. The usage of this primer improves the adhesion of the modified membranes.

In every corner, contractor should place reinforcements are made depending on the size of the corner excelling at least 2” each side.

For chimneys or pipes, a part of at least the diameter of the flue or chimney (more 4”) is cut into strips, 50% of it to cover the flue or chimney, the remaining material is melted against the slab. In domes, treat a banding strip type throughout faces covering at least 4” and 4” slab between the walls of the dome.

In drains do the procedure as follows, cut a part excelling at least 4” of each side of the downspout, cut an area in a tongue form and merge it with the drain (which can be PVC pipe, metal or concrete) and the remaining material is melted against the slab and parapet.

All these reinforcements are made with the THERMOTEK™ SELF ADHESIVE BASE SHEET.

COATING

Cut stickers and unroll on the roof. Wait until the rolls has flattened before proceeding. Align the rolls throughout the installation process. Fold the top portion back on itself and expose the adhesive strip. Press down firmly to begin adhering to the substrate. Continue to roll the material in proper alignment and follow the same process.

Ensure a proper longitudinal overlapping on the rolls, of a minimum of 4", sticking the longitudinal overlaps and remove the polyethylene from the back, apply pressure by weight roll to have a correct adhesion.

For the transversal overlapping, ensure a maximum of 6" overlap, for a proper adhesion. Apply a adhesive agent and remove the polyethylene from the back and apply pressure by a weight roll to have a correct adhesion. Firmly press with a rollet to ensure proper adhesion between the two rolls.

Its important that the installation has propoer distribution, ty to avoid seams that are at the same point, they need to be at least 24 inches on the end of each roll

YIELD

˜COVERAGE 200 sqft (NOMINAL)

PACKAGING

ROLL

COLORS

SMOOTH & SANDED SURFACE

STORAGE

The product must be stored on a vertical position, never horizontal. Maximum load is two beds with a plywood between them. The roll must be handled with caution in order to not damage it and to avoid cutting or perforating the membrane. It must be stored on a closed place, to avoid their exposition to sunlight during long time periods.

SHELF LIFE

These products can be stores for a period of 12 months from its manufacture.

COMPLIANCES / CERTIFICATIONS

• UL Classified 790 Fire Resistance Class A

• TDI

WHERE TO USE THESE PRODUCT

THERMOTEK™ SELF ADHESIVE POLYESTER BASE SHEET is an ideal product for use over porus surfaces. It can be used over many different types of roofing systems, how base to modified cap sheets.

MAINTENANCE / CLEAN UP

This Modified asphalts system requires cleaning every three months using detergent (such as TSP or TSP substitute) and water only. Clean application tools and equipment with 100% Pure Mineral Spirit.

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FOR BEST PERFORMANCE

"Should not be applied at temperatures below 40°F (4.5°C) or if rain is expected within 1 to 4 hours after the application.
"
Do not apply on wet surfaces
Do not use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers.

Not leave expose a cap sheet on top need to be installed

Do not use in areas of storage of solvents or gases.

Need to be maintain inside the box in storage.

APPROVALS AND CERTIFICATIONS

NATIONAL ROOFING CONTRACTORS ASSOCIATION MEMBER

CLASSIFIED UL

Product Specifications						
Roll Thickness	Roll Size	Roll Length	Roll Width	Approx. Roll Weight	Mils	Yield
1.5 mm	2.0 SQ (215.28 sqft)	65.6 ft	3.281 ft	83.75 lbs	60	187.30 sqft