

HOJA DE DATOS DEL PRODUCTO

THERMOTEK® USA STD 3.5 FP White - Sanded MOP Down

POLYESTER BASE SHEET

DESCRIPCION DEL PRODUCTO

Though modified bitumen membrane modified with APP (Polypropylene Atactic) and reinforced with non-woven polyester mat which provides its high functionality characteristics. The top surface has sand or smooth (polyethylene) finish and the bottom surface has a polyethylene finish.

USOS

THERMOTEK® USA STD 3.5 FP White - Sanded MOP Down is an ideal product for use over porous surfaces. It can be used over many different types of roofing systems.

THERMOTEK® USA STD 3.5 FP White - Sanded MOP Down is ideal product for fixing with mechanical fastening.

Substrates

- Wood
- Asphalt built-up surfaces
- Concrete
- Polyisocyanurate

CARACTERISTICAS / VENTAJAS

- Prevents / stopleaks
- Provides permanent waterproofing protection
- Extends the life of 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
- Excellent adhesion to any porous substrate
- High resistance to heat, cold chemicals, solvents, rain, snow and pollutants in the air
- Ponding water resistance

CERTIFICADOS / NORMAS

- UL Classified 790 Fire Resistance Class A
- UL Classified 1890 Up Lift Resistance
- NRCA National Roofing Contractor association Member
- TDI Texas Department of Insurance Evaluation ID RC-464

INFORMACION DEL PRODUCTO

Base Química	APP modified asphalt
Material de Refuerzo	non-woven polyester (0.0368 lb/sqft (180 gr/m ²))
Presentación	Roll
Conservación	These products can be stores for a period of 2 years from its manufacture.
Condiciones de Almacenamiento	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.

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Junio 2024, Versión 01.01
020920011990002144

Apariencia / Color

Sanded and Smooth

Dimensiones

Roll Thickness	Roll size	Roll Length	Roll Width
2.0 mm	1.5 SQ (161.4 sq.ft.)	49.212 ft	3,281 ft
3.0 mm	1 SQ (107.61 sq.ft.)	32.80 ft	3,281 ft
3.8 mm	1 SQ (107.61 sq.ft.)	32.81 ft	3,281 ft
Approx. Roll Weight	Mils	Yield	
83.75 lbs	80	140.46 sqft.	
61.07 lbs	118	93.646 sqft.	
93.03 lbs	152	93.646 sqft.	

Resistencia al Punzonamiento Estático

22- 24

Penetration 1/10 mm (ASTM D 5)

Resistencia a Tracción

Characteristic	Test Method (ASTM)	Value
Tensile longitudinal Strength	D 5147	400N (90 lb/in ²)
Tensile transversal Strength	D 5148	294N (66 lb/in ²)

Elongación

Characteristic	Test Method (ASTM)	Value
Elongation longitudinal	D 5147	45%
Elongation transversal	D 5148	45%

Estabilidad Dimensional

value does not flow

(ASTM D 5147)

Flexibility at low temperature

-9.6°C, +14.8 °F APPROVED

(ASTM D 5147)

Softening point

284-293

(ASTM D-36)

NOTAS

Users must always refer to the most recent local version of the Product Technical Sheet, a copy of which will be provided upon request.

LIMITACIONES

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.

It is not for continuous traffic.

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

ECOLOGIA, SEGURIDAD E HIGIENE

For any information related to safety issues in the use, handling, storage of this product and waste disposal, users should consult the most up-to-date version of the product Safety Data Sheet, which contains physical, ecological, toxicological data and other issues. security related; copies of which will be sent to whoever requests them, or through the page "www.sika.com.mx".

EQUIPMENT

Metallic trowel with rounded tip, regulated blowtorch, house and propane tank.

CALIDAD DEL SOPORTE

Roof need to be completely finish 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.

PREPARACION DEL SOPORTE

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.

Surface could have a rough finish if it allows the adhe-

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BUILDING TRUST

rence 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

METODO DE APLICACIÓN / HERRAMIENTAS

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, these 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™ USA PRO BASE SHEET.

APLICACIÓN

Cut stickers and unroll on the roof. Wait until the rolls has flattened before proceeding. Align the rolls throughout the installation process. Proceed from the bottom of the roof and continue alignment fo the roll from the lowest part of the roof.

Mechanilly or Torch the BASE SHEET to the substrate ensuring proper alignment. If the base sheet is sanded, remove the excess of sand before your torch the cap sheet.

Base Sheet: Safely apply a torch to the poliethlyne surface. Warm the surface and continue to unroll while ensuring the torched area adheres to the substrate. Product performance can be impacted by inconsistent coverage with the torch. Be carefull not to torch to much o to little on the product because it will affect the performance. Ensure a proper longitudinal overlapping on the rols, with a minimun of 4" on the sides and 6" on the end. To ensure proper adhesion on the seams, make a bleed through of 1/4" - 1" inch on every seam.

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

MAINTENANCE

Sika Mexicana S.A. de C.V.
Carretera Libre a Celaya Km. 8.5
Fraccionamiento Industrial Balvanera
76920 Corregidora, Queretaro
México
800 123-7452

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.

NOTAS LEGALES

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on Sika's current knowledge and experience of the products when properly stored, handled and applied, in normal situations, within its lifetime and in accordance with Sika's recommendations. In practice, the possible differences in the materials, supports and actual conditions in the place of application are such, which can not be inferred from the information of this document, nor from any other written recommendation, nor from any advice offered, no guarantee in terms of marketing or suitability for particular purposes, or any obligation outside any legal relationship that may exist. The user must test the suitability of the products for the desired application and purpose. Sika reserves the right to modify the properties of its products. property rights of third parties are reserved. Orders are accepted in accordance with the terms of our current General Conditions of Sale and Supply. Users must know and use the latest and updated version of the Product Data Sheets, copies of which will be sent to whoever requests them, or through the page www.sika.com.mx. Ensure the handling of loads according to NOM-036-1-STPS-2018.

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