BUILDING TRUST

PRODUCT DATA SHEET

Hydrotech® Monolithic Membrane 6125®

Monolithic hot-applied rubberized asphalt

SIKA NZ APPROVED CONTRACTOR ONLY

DESCRIPTION

Hydrotech® Monolithic Membrane 6125®(MM6125®) is a hot-applied rubberized asphalt for use in waterproofing. Hydrotech® Monolithic Membrane 6125® is a thick, tough, flexible and self-healing membrane.

USES

Hydrotech® Monolithic Membrane 6125® has been successfully used worldwide by leading architects, engineers and owners on all types of horizontal and vertical structures including roof, vegetated roofs, roof terraces, blue roof, foundation walls, plazas, tunnels, mud slabs, water basin, parking decks and bridges.

CHARACTERISTICS / ADVANTAGES

- Hydrotech® Monolithic Membrane 6125® is ideal for a Protected Membrane Roof (PMR) Assembly.
- Conforms to all surface irregularities and bonds tenaciously to an acceptable substrate (i.e., concrete, steel, wood, etc.) eliminating lateral migration of water.
- Completely monolithic; no seam.
- Typically installed at 6 mm thick in the Fabric Reinforced Assembly. This is more than three times thicker than most other waterproofing membranes. Thickness is an important benefit in that Hydrotech® Monolithic Membrane 6125® exhibits the ability to self-heal and better accommodates developing cracks in a concrete substrate.
- Homogeneous mixture of refined asphalts, synthetic rubber and mineral inert filler.
- Contains 40% post-consumer recycled material.
- Has no VOC. No solvent means no on-site cure failures, no two part mixing.
- Can be installed at temperatures as low as -18°C (provided the substrate is clean, dry and free of snow and frost).
- Detailing is simplified, with triple protection at all critical locations.
- Ideal for dead level installations; no slope required.
- Developed to perform in a wet (submerged) environment.
- Tie-ins from one day's work to the next are easy, perfect for phased construction.
- Can only be installed by "trained" authorized applicators.

APPROVALS / STANDARDS

- Manufactured under ISO 9001-2015
- CAN/CGSB 37.50-M89 (Canadian General Standards Board)
- Applicable ASTM Test Methods (American Society for Testing and Materials)
- CE (European Conformity)
- UL Class A Classification (Underwriter Laboratories)
- UL Recycled Content Claim Validation
- FM Approval (Factory Mutual)
- Miami-Dade County Approved
- L.A City Approved
- N.Y.C. Approved

PRODUCT INFORMATION

Recycled Content	40%
Packaging	Boxes, 17.9 kg (39.5 lbs)
Colour	Black

Shelf Life	No limits
Storage Conditions	Store materials off-ground, in a dry place and protected from inclement weather.
Effective Thickness	6 mm
Area Density	6.8 Kg/s.q. meter (1.4lb/s.q. ft.)
Melting Point	82 ºC (180 °F)
Flash Point	260 ºC (500 °F) or not less than 25 ºC above the temperature of maximum recommended application.
Volatile organic compound (VOC) content	0 g/L
Specific gravity	1.15

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

USES

Hydrotech® Monolithic Membrane 6125® can be applied to a clean, sound, dry, snow- and frost-free substrate, and at temperatures as low as -18°C.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

Hydrotech® Monolithic Membrane 6125® must be heated using a double-walled, indirectly heated melter-mixer. The melter must be equipped with thermometers and a direct-drive mechanical stirrer. Heating bitumen in a directly heated melter is strictly prohibited. The membrane temperature in the melter must be between 180 °C (minimum) and 190 °C (maximum). Take care not to exceed the maximum temperature.

SUBSTRATE PREPARATION

Concrete Substrates
Finish the concrete surface to be covered using a wooden float, ideally to a CSP surface profile between 3 and 5 to ensure the required adhesion. Fill honeycombs, voids, and surface cracks with a latex filler compatible with the waterproofing membrane. Ensure the concrete has cured for at least 14 days before applying the base coat. Sand all sharp edges of joints or changes in plane and remove any loose aggregate. The substrate must be completely free of any sealants or similar materials to a depth equal to or at least twice the joint width. For expansion joints, it is preferable to chamfer the edges. Before beginning application, clean the substrate to remove curing compounds, dust, paint, frost, formwork oils, loose particles, and other contaminants that may impair membrane adhesion.
Crack and Joint Treatment
Bridging cracks and construction joints wider than 1.5 mm and less than 6 mm.

SUBSTRATE QUALITY / PRE-TREATMENT

Apply a coat of Quick-Set primer to the dry substrate at a coverage rate of 4 to 6 m²/L, in accordance with CAN/CGSB-37.51.

APPLICATION

Hydrotech® Monolithic Membrane 6125® must be applied continuously to the concrete substrate at an average thickness of 3 mm. Apply a 300 mm wide, 3 mm thick layer of Hydrotech® Monolithic Membrane 6125®, centered on the crack axis, and place a 150 mm wide elastomeric reinforcing sheet on top; the ends of the strips must be overlapped by at least 50 mm and bonded over a length of 150 mm. Avoid air pockets. Apply a second layer of hot Hydrotech® Monolithic Membrane 6125® and form a flashing with a reinforcing fabric or an elastomeric reinforcing sheet, as appropriate, in accordance with the minimum requirements of CAN/CGSB - 37.51 and the manufacturer's instructions. The more stringent requirements prevail.The thickness of both layers must have an average thickness of 5 mm, with no readings less than 4 mm.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any

legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika (NZ) Limited
85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz