

Monolithic Membrane 6125®

GENERAL DESCRIPTION

Monolithic Membrane 6125® (MM6125®) is a hot-applied rubberized asphalt for use waterproofing. MM6125® is a thick, tough, flexible and self-healing membrane. MM6125® 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. MM6125® has an unbeatable track record of more than 50 years.



MM6125® has many unique characteristics:

- MM6125® is ideal for a Protected Membrane Roof (PMR Assembly).
- MM6125® conforms to all surface irregularities and bonds tenaciously to an acceptable substrate (i.e., concrete, steel, wood, etc.) eliminating lateral migration of water.
- MM6125® is completely monolithic; no seam.
- MM6125® is 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 MM6125® exhibits the ability to self-heal and better accommodates developing cracks in a concrete substrate.
- MM6125® is a homogeneous mixture of refined asphalts, synthetic rubber and mineral inert filler.
- MM6125® contains 40% post-consumer recycled material.
- MM6125® has no VOC. No solvent means no on-site cure failures, no two part mixing.
- MM6125® can be installed at temperatures as low as -18°C (provided the substrate is clean, dry and free of snow and frost).
- MM6125® detailing is simplified, with triple protection at all critical locations.
- MM6125® is ideal for dead level installations; no slope required.
- MM6125® was developed to perform in a wet (submerged) environment.
- MM6125® tie-ins from one day's work to the next are easy, perfect for phased construction.

One of the reasons MM6125® has been so successful in the marketplace is that it can only be installed by "trained" authorized Hydrotech applicators. MM6125® is sold direct, not through a distributorship.

PHYSICAL PROPERTIES

Properties	Test Method	Test Requirements / Results
Flash point	ASTM-D-92 CGSB 37.50- M 89	260°C (500°F) Or not less than 25 ° C above the temperature of maximum recommended application.
Cone penetration	ASTM-D-1191 CGSB 37.50 - M 89	Maximum 110 at 25°C (77°F), maximum 200 at 50°C (122°F)
Flow (60°C)	ASTM-D-1191 CGSB 37.50- M 89	3.0 mm (0.12 inch) max
Toughness / Ratio of toughness to peak load	CGSB 37.50- M 89	5.5 Joules min. / 0.04 minimum
Water vapor permeance	ASTM-E-96 Procedure E CGSB 37.50- M 89	1.7 ng/Pa.s m ² maximum
Water absorption	CGSB 37.50- M 89	Loss in mass Max : 0.18 g , gain in mass Max : 0.35 g
Low temperature flexibility (-25°C)	CGSB 37.50- M 89	No cracking of material permitted

Crack bridging capability (-25°C)	CGSB 37.50- M 89	No cracking, splitting or loss of adhesion
Heat stability	CGSB 37.50- M 89	After 5 h @ 196°C (385°F), product must pass the CGSB 37.50-M 89 specifications for the two penetrations, the flow, the low temp. flexibility and the viscosity.
Viscosity	CGSB 37.50- M 89	2-15 seconds
Softening point	ASTM-D36 CGSB 37.50- M 89	82°C (180°F)
Solid content		100 % - without solvent
Resistance to acids (sulfuric solution 10%), (chlorydic,solution 50%)	ASTM D-896-84 Procedure 7.1 Note 8	Good – Excellent
Minimum ambient temperature for application		-18°C (0°F)
Specific Gravity		1.15

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	40% post-consumer	
Manufacture Location		Montreal, Qc.
Extraction/Harvesting Location		Oil: Canada Rubber Crumb: QC, Canada Filler: Canada Polymer: Texas, U.S. Asphalt: Canada
VOC Content (g/L)		0

MM6125® Approvals/Certifications:

- 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

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