

Monolithic Membrane 6125®



GENERAL DESCRIPTION

Hydrotech's Monolithic Membrane 6125 is a highly modified rubberized asphalt with 40% post-consumer recycled content (minimum 30% recycled content for REACH compliant material).

BASIC USE

Hydrotech's Monolithic Membrane 6125 is specifically designed to be used as a roofing and/or waterproofing membrane typically on concrete substrates in vertical or horizontal applications such as roof decks, parking decks, reflecting pools, plazas, mechanical room sub-floors, foundation walls, tunnels and planters.

SIZES

Hydrotech's Monolithic Membrane 6125 is available in recyclable cardboard cartons containing individual 40 pound cakes of material.



TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
FLASH POINT	ASTM D-92 CGSB-37.50-M89	<500°F (260°C)
PENETRATION	ASTM D-5329 CGSB-37.50-M89	98 mm @77°F (25°C) 187mm @122°F (50°C)
FLOW	ASTM D-5329 CGSB-37.50-M89	1.0 mm @140°F (60°C)
TOUGHNESS	CGSB-37.50-M89	16.0 Joules
RATIO OF TOUGHNESS TO PEAK LOAD	CGSB-37.50-M89	0.069
WATER VAPOR PERMEABILITY	ASTM E-96, Procedure E CGSB-37.50-M89	0.3 ng/Pa(s)m ²
WATER ABSORPTION	CGSB-37.50-M89	0.11 gram weight gain
LOW TEMPERATURE FLEXIBILITY (-25°C)	CGSB-37.50-M89	No delamination, adhesion loss or cracking
LOW TEMPERATURE CRACK BRIDGING (-25°C)	CGSB-37.50-M89	No cracking, adhesion, loss or splitting
HEAT STABILITY	CGSB-37.50-M89	No change in viscosity, penetration, flow or low temperature flexibility
VISCOSITY	CGSB-37.50-M89	11.0 seconds
WATER RESISTANCE (5 days @ 50°C)	CGSB-37.50-M89	No delamination, blistering, emulsification or deterioration
SOFTENING POINT	ASTM D-36	180°F (82°C)
ELONGATION	ASTM D-5329	1000% minimum

(values published are min. req)

PROPERTY	TEST METHOD	RESULTS
RESILIENCY	ASTM D-5329	40% minimum
BOND TO CONCRETE	ASTM D-5329	Pass @0°F (-18°C)
ACID RESISTANCE	ASTM D-896 Procedure 7.1 (N-8)	Pass - 50% Nitric Acid - 50% Sulfuric Acid
RESISTANCE TO HYDROSTATIC PRESSURE	ASTM D-08.22, Draft 2 (developed: D5385)	100 psi (= 231 foot head of water)
RESISTANCE TO SALT WATER (20% sodium carbonate and calcium chloride)	ASTM D-896 similar	No delamination, blistering, emulsification or deterioration
RESISTANCE TO FERTILIZER (undiluted 15/5/5 nitrogen/phosphorus/potash)	ASTM D-896 similar	No delamination, blistering, emulsification or deterioration
RECYCLED CONTENT	U.L. Validated	40% post-consumer (30% REACH compliant)
RESISTANCE TO ANIMAL WASTE	3 year exposure	No deterioration
SOLIDS CONTENT		100%
SHELF LIFE		10 years (sealed)
SPECIFIC GRAVITY		1.15 + 0.02

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	40	
Manufacture Location		Montreal, QC
Extraction/Harvesting Location		Montreal, QC
VOC Content (g/L)		0

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