



GENERAL DESCRIPTION

Hydrotech's Monolithic Membrane 6125-EV is a highly modified, environmentally friendly, rubberized asphalt that can be formulated with up to 25% post-consumer recycled content.

BASIC USE

Hydrotech's Monolithic Membrane 6125-EV 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.

SPECIAL PREPARATION

Due to the lower flash point of this formulation, the maximum heating temperature is 375°F (as compared to 400°F with typical MM 6125) resulting in less energy consumption (less propane) during the application of the material. The poly film wrapping around each cake of material is designed to be melted along with the material avoiding any additional packaging waste.

SIZES

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

TECHNICAL SPECIFICATIONS

| PROPERTY | TEST METHOD | RESULT |
|--|--|--|
| 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 |

| PROPERTY | TEST METHOD | RESULT |
|---|--|--|
| 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 |
| 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 |
| RESISTANCE TO ANIMAL WASTE | 3 year exposure | No deterioration |
| SOLIDS CONTENT | | 100% |
| SHELF LIFE | | 10 years (sealed) |
| SPECIFIC GRAVITY | | 1.23 ± 0.02 |