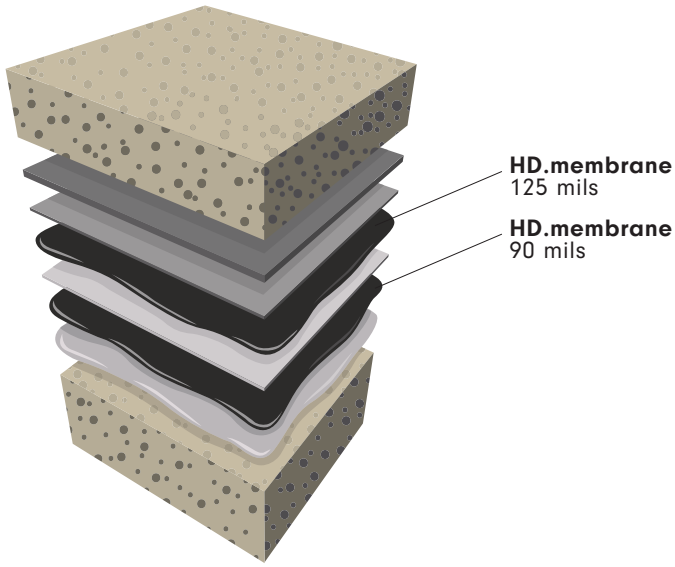
HD.membrane



PRODUCT DESCRIPTION

Basic Use: HD.membrane is the key component to EPRO's redundant field-installed HotDeck rubber asphaltic membrane waterproofing system for insulated and uninsulated split-slab, pedestal paver, and vegetative deck applications. HD.membrane is a rubberized asphalt compound that is melted in a kettle, then hot-applied in two layers to a nominal cured thickness of 215 mils. EPRO HD.skrim, a polyester reinforcing fabric, is embedded between the two layers of HD.membrane for added strength. HD.membrane rapidly cures to form a seamless, thick, tough, yet highly flexible waterproofing membrane and creates a powerful bond to concrete substrates. The monolithic HD.membrane is fully protected from physical damage with additional components comprising the EPRO HotDeck waterproofing system.

Composition: HD.membrane is composed of a specially selected blend of refined asphalts, synthetic rubber, and mineral stabilizers. Additives are incorporated to promote adhesion and improve low temperature flexibility.

BENEFITS

- Seamless application provides monolithic waterproofing
- Proven protection of split-slab above grade waterproofing
- Full adhesion to deck restricts lateral water movement
- 100% solids provide immediate cure on cooling
- Compatible with a wide range of overlays. For example, pedestal and pavers, insulation, and green roofs

LIMITATIONS

- Do not install in wet conditions. A dry surface is required.
- Must be protected by appropriate overlay
- Not designed as a traffic bearing surface
- Concrete substrate should be cured a minimum of 14 days, dry, free of debris, and primed with EPRO HD.primer.
- Do not install in environmentally-sensitive areas.

TECHNICAL DATA

Properties: See physical properties table

Specification Writer: Contact EPRO before writing specifications on this product. HotDeck system assemblies should be reviewed in order to meet project specific site conditions.

Additional test information available upon request.

INSTALLATION

EPRO Authorized Applicators must be approved in writing by EPRO prior to receiving a contract in order to qualify for a warranty for this product and system assembly.

Surface Preparation: Concrete shall have a light, hair-broom finish and be cured at least 14 days (28 days is preferred). Concrete should be dry, uniform, free of dust, dirt, frost, laitance, non-approved curing agents, or surface contaminants that may affect adhesion. Concrete must be primed with EPRO HD.primer1 or HD.primer2 depending upon application, before applying HD.membrane.

Application: Install all detailing and flashing at transition areas prior to application. Melt HD.membrane blocks to a pouring temperature range between 360°- 400°F. Apply a continuous first coat of 90 mils over the entire area to be waterproofed, including detailed areas. While the first layer is still warm, embed EPRO HD.skrim polyester reinforcement fabric, overlapping a minimum of 1" ensuring membrane is present between each seam overlap. Apply a continuous second coat of HD.membrane at a minimum of 125 nominal mil thickness. While still warm, embed HD.cap1 or HD.cap2 protection course.

AVAILABILITY AND PACKAGING

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

HD.membrane is available in standard 50 lb poly-lined boxes. The poly is designed to dissolve in melter.

HD.membrane

WARRANTY

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

EQUIPMENT

Blocks of HD.membrane shall be melted in an insulated double-shell, oil or air jacketed kettle with mechanical agitator. Caution: Do not exceed maximum safe operating temperature of 400°F.

TECHNICAL SERVICES AND INFORMATION

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	VALUE
Color		Black
Solid Content		100%
Application Rate @ 215 mil		1.23 lb./ft^2
Heating Temp		300°F - 400°F
Softening Point		210°F (100°C)
Water Vapor Transmission	ASTM E96	.07 Perms
Methane Transmission	ASTM D1434	Passed
Flash Point		>500°F (>260°C)
Cone Penetration, dmm	ASTM D5329	@ 32°F (0°C) = 25 dmm @ 77°F (25°C) = 55 dmm @ 120°F (48.9°C) = 160 dmm
Flow @ 140°F (60°C)	ASTM D3407	0.1
Heat Stability 5 hours @ 390°F		No Change
Low Temperature Flexibility		No Cracking @ -15°F
Water Vapor Permeability	ASTM E96 (B)	0.01 Perms
Bond	ASTM D5329	Passed
VOC Content		0