

NOVA BLOCK™ 12

CRAWLSPACE VAPOR BARRIER

NovaBlock is a line of high-performance, woven-reinforced membranes made from virgin resin and designed to protect against moisture and soil gas intrusion. NovaBlock 12 is a high-strength, 12 mil thick membrane ideal for vapor intrusion projects requiring added strength and durability.



FEATURES & BENEFITS

- ASTM E84 Class A Fire Rated
- No VOC/Odors
- ASTM E1745 Class A: Highest performance for plastic water vapor barrier
- Woven reinforced
- Superior puncture and tear resistance
- Balanced performance of economical and durable

12 MIL MEMBRANE FOR PROJECTS REQUIRING ADDED STRENGTH AND DURABILITY.

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PRODUCT ATTRIBUTES

CHARACTERISTICS	TEST METHOD	NovaBlock™ 12
Thickness mil (mm)	ASTM D1777	12 mil (305 mm)
Weight	N/A	5.7 oz/yd² (193.3 g/m²) ± 5%
Roll Sizes	N/A	Standard sizes: 4 ft x 200 ft and 12 ft x 100 ft Custom sizes are available upon request
Folded	N/A	V or C folded options available
Weave	N/A	Woven clear HDPE scrim
Coating	N/A	LDPE, 1.75 mil average on each side (41 g/m²/side)
Color	N/A	White, yellow or colored coatings available
Temperature Range	N/A	-76°F to 158°F (- 60°C to 70°C)
Strip Tensile (New material)	ASTM D5035	MD 150 lb/in (1300 N/5cm) TD 120 lb/in (1040 N/5cm)
Tongue Tear (Large scale)	ASTM D5884	MD 80 lb/in (355 N) TD 80 lb/in (355 N)
Grab Tensile	ASTM D7004	MD 220 lb/in (978 N) TD 180 lb/in (800 N)
Trapezoidal Tear	ASTM D4533	MD 70 lb/in (311 N) TD 55 lb/in (244 N)
Mullen Burst	ASTM D751	340 psi (2344 kPa)
Water Vapor Permeance Water Vapor Transmission Rate	**ASTM E96**	0.433 g/sq. m x day 0.0258 grains/ft²hr

PRODUCT APPLICATIONS

- Crawlspaces encapsulations
- Radon mitigations
- Underslab
- Moisture control
- Vapor intrusion projects

INSTALLATION

- Crawlspace Installation

NovaBlock should be installed over the entire floor area and no more than 3" from the top of foundation wall. All seams should be overlapped a minimum of 12 inches and taped with NovaBlock Seam Tape. Terminate NovaBlock to foundation walls using NovaBlock Foundation Tape, approved mechanical fasteners and construction sealants.

- Under-Slab Installation

NovaBlock should be installed over the entire floor area of aggregate, sand or earth base. All seams should be overlapped a minimum of 6 inches and taped with NovaBlock Seam Tape. All penetrations should be sealed using NovaBlock, NovaBlock Seam Tape, NovaBlock Foundation Tape, or approved sealants.