



# ENKAVENT<sup>®</sup> 6128

BUILDING PRODUCTS - RADON CONTROL

## PRODUCT DESCRIPTION

Enkavent<sup>®</sup> 6128 is a radon venting product consisting of a nylon core fused, entangled filaments with a geotextile heat-bonded to one side. Enkavent<sup>®</sup> matting is a 0.8" thick matrix point bonded with heat and pressure to a geotextile filter fabric. 95% of the geomatrix is open to providing a high airflow rate.

## APPLICATIONS

- ▶ Radon mitigation under concrete slab under construction
- ▶ Hydrostatic pressure relief
- ▶ Radon mitigation in basement slab construction

## FEATURES & BENEFITS

- ▶ 95% air space for much higher air flow than aggregate
- ▶ High compressive strength - able to sustain the load of a 12" concrete slab
- ▶ Nylon filaments resist most soil chemicals and solvents
- ▶ Hinged crease for easy placement along foundation wall
- ▶ High flow system reduces the level of radon up to 97%

## INSTALLATION PROCEDURE

- ▶ Unroll the Enkavent<sup>®</sup> matting with fabric side down. Lay a continuous strip of Enkavent<sup>®</sup> along the perimeter of the slab area.
- ▶ Nail to the perimeter walls at a hinge. Adhere expansion joint stripping above the Enkavent<sup>®</sup> matting. Lay an additional strip of Enkavent<sup>®</sup> through the center parallel to the longest wall every 10 to 15 feet. Overlay the subfloor with a vapor barrier extending up the wall to meet the expansion joint stripping.
- ▶ Cut a 3" (8 cm) hole in the barrier 8" (20 cm) from the most appropriate corner. Glue a 4" (10 cm) flanged riser pipe with a detachable cap to the vapor barrier and sitting on top of Enkavent<sup>®</sup>. Pipe stub should be of sufficient length to extend above the top of slab poured. Install an additional riser pipe for every 2000 square feet of slab area. Pour the slab. Later, extend the vent pipe through the roof.

## PACKAGING

Property	Imperial	Metric
Core Width	18.0 in	45.7 cm
Length	100.0 ft	30.5 m
Area	16.7 yd <sup>2</sup>	14.0 m <sup>2</sup>
Roll Diameter	25.0 in	63.5 m <sup>2</sup>
Gross Roll Weight	27.0 lbs	12.2 kg

## PHYSICAL PROPERTIES

Property	Imperial	Metric
Core Material	Nylon 6	
Thickness	0.80 in	20.4 mm
Total Weight	24.8 oz/yd <sup>2</sup>	841.0 g/m <sup>2</sup>
Core Weight	21.3 oz/yd <sup>2</sup>	743.0 g/m <sup>2</sup>

Test Method: ASTM D-1621 modified and ASTM D-4716

## FABRIC PROPERTIES

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Polymer		PET	
Weight	ASTM D-3776	3.5 oz/yd <sup>2</sup>	118 g/m <sup>2</sup>
Grab Strength MD/CD	ASTM D-4632	90.0 lbs	400 N
Trapezoidal Tear	ASTM D-4533	35.0 lbs	156.0 N
Puncture Strength	ASTM D-4833	45.0 lbs	200.0 N
Mullen Burst	ASTM D-3786	170.0 psi	1170.0 Kpa
AOS (maximum average)	ASTM D-4751	120.0 US Sieve	0.10 mm
Flow Rate	ASTM D-4491	170.0.0 gpm/ft <sup>2</sup>	6921.0 l/sec/m <sup>2</sup>
Permittivity	ASTM D-4491	2.3 sec <sup>-1</sup>	2.31 sec <sup>-1</sup>
Air Permeability	cfm @ 0.5 in H <sup>2</sup> O	400.0	400.0
Temperature Range		-100 to 250°F	-73 to 121°C
pH Range		3 to 12	3 to 12
Fabric Color		White	

Values are MARV Minimum Average Roll Value

**NOTE:** To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. AMERICOVER, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at [www.Americover.com](http://www.Americover.com)

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