



VENTILATING SOLUTIONS

Enkavent® 9323

Description	Enkavent® 9323 is a radon venting product consisting of a nylon core of fused, entangled filaments and a geotextile. Enkavent® matting is a nominal 1” thick matrix, point bonded to a geotextile filter fabric which completely wraps the drain core. Ninety-five percent of the geomatrix is open providing a high airflow rate.
Recommended Applications	<ul style="list-style-type: none"> • Radon mitigation under concrete slab construction • Hydrostatic pressure relief • Radon mitigation in basement slab construction
Features and Benefits	<ul style="list-style-type: none"> • 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 • High flow system reduces the level of radon up to 97%

Technical Data

Physical Properties	Property	English Units	Metric Units
	Core Material	Nylon 6	
	Thickness	0.9 in	23.0 mm
	Total Weight	31.3 oz/yd ²	698.0 g/m ²
	Core Weight	20.6 oz/yd ²	732.0 g/m ²
	Color	Black	
	Low Temperature	- 100° F	- 73° C
	High Temperature	250° F	121° C
	Durability Characteristics	80% Strength Retention	
	Fuel and Gasoline Submersion	Stable	

Polymer Properties Nylon has excellent resistance to a variety of chemicals, alkalines, dilute acids, fuels and solvents found on construction sites. It is lightweight, but also is very wear and abrasion resistant. Nylon also has high tensile strength and a high heat distortion temperature.

Quality Assurance

The Quality Management System of Low & Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request. The data reproduced in this document reflects our best knowledge at the time of issue. It is subject to change arising from new research and development, as are the properties of the products described. We do not accept any liability for results obtained by using this information or the products mentioned.
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Technical Data

Flow Rates	Pressure	0.05 Gradient	0.1 Gradient	0.25 Gradient
	250 psf	5.0 gal/min/ft	8.0 gal/min/ft	14.5 gal/min/ft
	500 psf	4.5 gal/min/ft	7.0 gal/min/ft	12.0 gal/min/ft
	750 psf	3.7 gal/min/ft	6.0 gal/min/ft	10.0 gal/min/ft
	1000 psf	3.2 gal/min/ft	5.0 gal/min/ft	9.0 gal/min/ft

Fabric Properties	Property	English Units	Metric Units	Test Method
	Polymer	PA6 & PET		
	Fabric Color	Grey		
	Weight	3.54 oz/yd ²	120.0 g/m ²	ASTM D 3776
	Grab Strength MD/CD	125.0 lbs	556 N	ASTM D 4632
	Grab Elongation	40%	40%	ASTM D 4632
	Trapezoidal Tear	40.0 lbs	178.0 N	ASTM D 4533
	Puncture Strength	35.0 lbs	155 N	ASTM D 4833
	Mullen Burst	160.0 psi	1102.0 kPa	ASTM D 3786
	AOS (maximum average)	45	0.357 mm	ASTM D 4751
	Flow Rate	185.0 gpm/ft ²	125 l/sec/m ²	ASTM D 4491
	Permittivity	2.5 sec ⁻¹	2.5 sec ⁻¹	ASTM D 4491

Packaging	Property	English Units	Metric Units
	Product ID	9323-100-1200	
	Rolls Per Package	1	
	Roll Diameter	36.0 in	91.4 cm
	Core Width	12.0 in	30.0 cm
	Total Length Per Pkg	100.0 ft	30.0 m
	Area Per Roll	11.0 yd ²	9.2 m ²

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