

PRECIDIUM™ Vapour Barrier Cut Sheet

DESCRIPTION

PRECIDIUM™ Vapour Barrier is a high performance, spray-applied membrane providing a permanent barrier against moisture, radon, methane and other organic vapours.

FEATURES and BENEFITS

100% solids

- zero VOCs (volatile organic compounds)
- supports clean, green environment
- LEEDS points

High-performance barrier properties

- protects against water, radon, methane and a wide range of chemical vapours encountered in brownfield developments

Seamless spray application

- air-tight seal around penetrations/footings
- prevents release at connection points

Excellent elasticity and strength

- maintains integrity following installation of aggregate and/or concrete
- difficult to puncture
- resistant to cracking under high-flex conditions
- eliminates majority of geomembrane failures

Consistent spray properties over wide temperature range

- remains flexible at low temperatures
- excellent crack resistance down to -40°C
- high impact resistance over wide temperature range
- excellent abrasion resistance even at high temperatures
- excellent chemical resistance

Fast-Set System

- rapid installation
- optimized construction sequencing

PROPERTIES

Volume Solids	100%
VOC	0
Density	1.10 g/mL

Methane Transmission was undetectable under a pressure differential of 15 psi over seven days during in- house test.

	<u>Test Method</u>	<u>Result</u>
Durometer		
D Hardness	ASTM D2240	~40-55
Tensile Strength		
(Die C)	ASTM D412	2800 psi
Elongation (Die C)	ASTM D412	400%
Tear Strength		
(Die C)	ASTM D624	400 pli
Abrasion		
Resistance	ASTM D4060	1000 cycles
(CS-17 Wheel, 1000 g load)		0mg loss
(H-18 Wheel, 1000 g load)		140mg loss
Large Scale		
Puncture	ASTM D5514	7.6 cm (Critical Cone Height)

(Critical Cone Height, or size of protrusion required to puncture membrane under high pressure).

Results are for specific testing requirements; other conditions and equipment may result in different physical properties.