

PRECIDIUM™ ECS™ Vapour Barrier

DESCRIPTION

PRECIDIUM™ ECS™ 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 7 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	280%
Tear Strength (Die C)	ASTM D624	400 pli
Abrasion Resistance	ASTM D4060	1000 cycles
	(CS-17 Wheel, 1000 g load)	0 mg loss
	(H-18 Wheel, 1000 g load)	140 mg loss
Large Scale Puncture	ASTM D5514	6.35 cm
	(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.

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