

## 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

<b>Volume Solids</b>	100%
<b>VOC</b>	0
<b>Density</b>	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>
<b>Durometer D Hardness</b>	ASTM D2240	~40-55
<b>Tensile Strength (Die C)</b>	ASTM D412	2800 psi
<b>Elongation (Die C)</b>	ASTM D412	400%
<b>Tear Strength (Die C)</b>	ASTM D624	400 pli
<b>Abrasion Resistance</b>	ASTM D4060	1000 cycles
	(CS-17 Wheel, 1000 g load)	0 mg loss
	(H-18 Wheel, 1000 g load)	140 mg loss
<b>Large Scale Puncture</b>	ASTM D5514	Critical Cone Height 7.6 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.