PRECIDIUM ECS™
ENGINEERED CONTAINMENT SOLUTIONS

WESTERN
engineered containment

PRECIDIUM™ ECS™ Water Proofing Barrier

DESCRIPTION

PRECIDIUM™ ECS™ Water Proofing 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.

	Test Method	Result
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 los
Large Scale Puncture	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.

LEDUC HEAD OFFICE: #201, 3910 - 84 Avenue, Leduc, AB, T9E 8M6
Phone: 780.986.9599 • Fax: 780.986.1177 • www.wecontain.com