

PRECIDIUM™ ECS™ 150D-FR

DESCRIPTION

PRECIDIUM™ ECS™ 150D-FR is an effective, spray-applied, high-performance fire resistant coating for primary/secondary containment and heavy-duty industrial applications.

FEATURES and BENEFITS

- **100% solids**
 - zero VOCs (volatile organic compounds)
 - supports clean, green environment
 - LEEDS points
- **Exclusive coating system**
 - high dielectric strength
 - fire resistant
 - durable
 - can be tinted to a wide range of colours
- **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
 - high impact resistance over wide temperature range
 - excellent abrasion resistance
 - resistant to water and wide range of chemicals
- **Fast-Set System**
 - rapid installation
 - optimized construction sequencing

PROPERTIES

Volume Solids	100%
VOC	0
Density	1.10 g/mL
Standard Color	Black or Grey

	<u>Test Method</u>	<u>Result</u>
Tensile Strength	ASTM D-412 (15.9 Mpa)	2306 psi
Elongation at Break	ASTM D-412	170%
Tear Strength	ASTM D-1004	319 pli (56 Nmm)
Taber Abrasion	ASTM D-1044 (1000 cycles CS-17 wheel, 1 kg load)	<2 mg loss,
Hardness	44 Shore D, 97 Shore A	
Dielectric Strength	ASTM D-149 (product is a minimum of 100 mils thick, with ideal thickness of 125 mils)	609 V/mil

After 1000-hour Accelerated Weathering

Tensile Strength	ASTM D-412	1566 psi 10.8 Mpa)
Elongation at Break	ASTM D-412	110%
Dielectric Strength	ASTM D-149	unchanged

Temperature Stability

Maximum Recommended Service Temperature for Continuous Use:	150°C (300° F)
Maximum Service Temperature for Short-Duration Temperature Elevation	200°C (390° F) a few minutes
Melting Point	250°C (480° F)

UV Rating ASTM D-4329 25 years
Test samples were placed in an ultraviolet light aging chamber per the test requirements. In typical conditions, a rating of 25 years longevity was determined.

FR Testing	IEC 60695-11-10 V-0 Test Method B
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Classified as per the criteria laid out in the test.

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

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