



## R2+ SHEATHE FOIL-FACED POLYISO INSULATION MATERIAL CERTIFICATION

This is to certify that CCW R2+ SHEATHE FOIL FACED POLYISO INSULATION is a rigid foam insulation board designed for use in a commercial construction above-grade wall applications to provide continuous, high R-Value Insulation. The product is composed of a closed-cell polyisocyanurate foam core bonded on both sides to embossed aluminum foil facers. R2+ has been fire tested to NFPA 285 and passes this test through several wall assemblies. CCW provides R2+ SHEATHE insulation, R2+ accessories, and CCW Air/Barrier Membranes for a complete wall weatherization system.

CCW R2+ SHEATHE FOIL FACED POLYISO INSULATION is manufactured to comply with the following ASTM typical property values and meets the following specification requirements:

CCW R2+ SHEATHE- Property	Test Method	Results - Grade 3
Compressive Strength	ASTM D1621	25 psi
Thermal Resistance (R-Value)	Tested at 75° F mean temp as per ASTM C 518 according to the requirements of ASTM C 1289	1" – 6.5 1.5" – 10.0 2" – 13.3 2.5" – 16.5 3" – 18.9 3.5" – 23.0
Flame Spread Index, Core	ASTM E84	< 25
Smoke Developed Index, Core	ASTM E84	< 450
Water Vapor Permeance (1" Thick Board)	ASTM E96	<0.04 Perm
Water Absorption	ASTM C209	< 0.05% volume
Air Permeance	ASTM E2178	0.0038 L/s*m <sup>2</sup> @75 Pa [0.00076 CFM/ft <sup>2</sup> @ 1.57 PSF]
Water Resistance	ICC-ES AC-71/ ASTM E330	No Leaking after 2 hr at -6.24 PSF
Wind Loading	ASTM E330	No damage after static, gust and cyclic loading. Mad deformation 0.34".
Air Leakage through Assembly	ASTM E2357	Max leakage after loading sequence 0.0087 L/s*m <sup>2</sup> @75 Pa [0.00076 CFM/ft <sup>2</sup> @ 1.57 PSF]
Dimensional Stability	ASTM D2126	2% linear change (7 days)
Mold Resistance	ASTM D3273	Passed (10)
Edge	-	Square
Service Temperature	-	-100° F to 250° F

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