

## CCW Fire Resist BARRITECH VP MATERIAL CERTIFICATION

This is to certify that Carlisle Coatings & Waterproofing CCW Fire Resist Barritech VP is a roller or spray applied synthetic rubber which cures to form a flexible, monolithic vapor-permeable air barrier membrane for use with concrete, masonry, insulation, steel, exterior sheathing, gypsum or wood wall construction and other substrates. CCW Fire Resist Barritech VP is Made in the USA.

Carlisle Coatings & Waterproofing manufactures CCW Fire Resist Barritech VP to comply with the following ASTM typical property values and meets the specification requirements:

Fire Resist Barritech VP - Property	Test Method	Typical Value
Color	--	Light Blue
Application Temperature	--	Min 40°F
Volume % Solids	--	66%
Drying Time of 60 mil wet film at 73°F/50% RH	--	3 hr until tack-free 48 hr until fully dry
Coverage (Theoretical)	Percent solids calculation	25 SQ FT per GAL (60 wet mils)
Volatile Organic Content (VOC)	--	<52 g/L
Water Absorption – Cured Membrane	24-h immersion at room temp	No blanching or softening
Water Resistance of in-place membrane	Rilem Tube – 60 wet mils on CMU AND AATCC 127, Modified 60 wet mils on CMU and DensGlass	No Water leakage through membrane
Air leakage resistance in-place membrane	ASTM E1166 Bubble Gun - 60 wet mils on CMU with imbedded ties	No visible bubbling
Nail Sealability	ASTM D 1970	Pass
Water Vapor Permeance	ASTM E 96A ASTM E 96 B	0.7 perm 14 perms
Pull-Off Adhesion	ASTM D4541, modified 4" wood puck	>30 PSI on CMU and OSB >12 PSI on Gyp Sheathing (Facer Delamination from Gyp Core)
Surface Burning	ASTM E 84. Product applied 60 mils wet, full coverage over gypsum sheathing	Flame Spread Index 15, Smoke Generation Index 2135
Elongation at Break	ASTM D 412	500%

Fire Resist Barritech NP - Property	Test Method	Typical Value
Air Barrier Assembly Test	ASTM E 2357	0.012 L/s·m <sup>2</sup> @ 75 Pa
Air Permance	ASTM E 2178	0.001 L/s·m <sup>2</sup> @ 75 Pa
Low-Temp Flexibility	ASTM D 1970	No Cracking @ -20°F
Aging/Long-Term Flexibility	CGSB 71-GP-24M	No Cracking
Water Resistance of In-Place Membrane	ASTM E 331	No visible leakage to interior
Low-Temp Crack Bridging	ASTM C 1305	No Cracking
Wall Assembly Burn Test	NFPA 285	Pass – Various wall assemblies with up to 3" of Polyiso or XPS Insulation. Consult CCW NFPA 285 White Paper for Assembly Details.

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