



CCW Fire Resist BARRITECH VP-LT MATERIAL CERTIFICATION

This is to certify that Carlisle Coatings & Waterproofing CCW Fire Resist Barritech VP-LT is a low temperature 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-LT is Made in the USA.

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

Fire Resist Barritech VP - Property	Test Method	Typical Value
Color	--	Uncured – Light Blue; Cured - Medium Blue
Application Temperature	--	Min 15°F
Volume % Solids	--	62%
Drying Time of 60 mil wet film at 73°F/50% RH	--	20°F/50% RH fully dry in 72 hours 45°F/50% RH fully dry in 48 hours
Coverage (Theoretical)	Percent solids calculation	22-24 SQ FT per GAL (65-70 wet mils)
Volatile Organic Content (VOC)	--	<160 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 perms 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 at 60 mils wet, full coverage over gypsum sheathing	Flame Spread Index 15, Smoke Generation Index 135
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 ² @ 75 Pa
Air Permeance	ASTM E 2178	0.001 L/s·m ² @ 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 R2+ Polyiso Insulation and insulation products by others. Consult CCW Wall Assembly Design Guide.

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