



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 ⁰ 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. |

Rev. December 17, 2015