



AIR & VAPOR BARRIER

LEED v4 Submittal Information

Product Name: Barritech VP

Product Description: Liquid-applied membrane for use as an air and water resistive barrier in above-grade walls. Provided in 5-gal (18.9 L) pails and 50-gal (189.2 L) drums. Full coverage by spray or roller application over opaque wall substrates at 25 ft²/gal (0.614 m²/L). Cured membrane weighs 0.3 lb/ft² (1.465 kg/m²)

CSI Sections: 07 25 00 Weather Barriers, 07 27 26 Fluid-Applied Membrane Air Barriers



EA PREREQUISITE: MINIMUM ENERGY PERFORMANCE

Continuous Air Barrier: IECC 2018 Sec C402.5, ASHRAE 90.1 2019 Sec 5.4.3.1

Property	Test Method	Barritech VP Results	Requirement
Air Permeance, Material	ASTM E 2178	0.00044 CFM/ft ² @ 1.57 PSF (0.0022 L/s*m ² @ 75 Pa)	Maximum 0.004 CFM/ft ² @ 1.57 PSF (0.02 L/s*m ² @ 75 Pa)
Air Permeance, mod spray over concrete block	ASTM E 2178, ABAA* modification	Maximum 0.0002 CFM/ft ² @ 1.57 PSF (0.001 L/s*m ² @ 75 Pa)	Maximum 0.004 CFM/ft ² @ 1.57 PSF (0.02 L/s*m ² @ 75 Pa)
Air Leakage through Assembly	ASTM E 2357	Maximum 0.0024 CFM/ft ² @ 1.57 PSF (0.012 L/s*m ² @ 75 Pa)	Maximum 0.04 CFM/ft ² @ 1.57 PSF (0.2 L/s*m ² @ 75 Pa)

EA CREDIT: ENHANCED COMMISSIONING; Path 2. Option 2. Envelope Commissioning “BECx”

On-site inspections by BECx Party to verify manufacturer’s instructions and details are executed correctly. Provide whole building air tightness exceeding requirements of IECC 2018 Sec C402.5, ASHRAE 90.1 2019 Sec 5.4.3.1.

EA CREDIT: OPTIMIZE ENERGY PERFORMANCE; Option 2. Prescriptive Compliance: ASHRAE Advanced Energy Design Guide

Building envelope continuous air barrier.

MR CREDIT: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION—ENVIRONMENTAL PRODUCT DECLARATIONS “EPDs”

At date of publication, an EPD is not available for Barritech VP.



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MR CREDIT: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION – SOURCING OF RAW MATERIALS

Barritech VP is manufactured in Carlisle Coatings & Waterproofing’s facility located at 900 Hensley Lane Wylie, TX 75098. Barritech VP is a mixture of many ingredients which are sourced from various locations. Raw material extraction source information is not available. Barritech VP recycled content is 0%.

MR CREDIT: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION – MATERIAL INGREDIENTS

Manufacturer Inventory (Reported per SDS)

Chemical Name or Function	CAS Number	Amount (%)
Polymer, vinyl acetate and vinyl acetate-acrylic	mixture	15 – 40
Limestone	1317-65-3	15 – 40
Plasticizer	trade secret	5 – 10
Chlorinated paraffins	trade secret	5 – 10
Polymer, ethyl acrylate and methacrylic acid	mixture	1 – 5
Methanol	67-56-1	1 – 5
De-foaming agent	trade secret	0.1 – 1
Nonylphenol polyethylene gly-col ether	trade secret	0.1 – 1
Ethylene glycol	107-21-1	0.1 – 1
Clay compound	trade secret	0.1 – 1
Silica, amorphous, fumed	trade secret	0.1 – 1
4,4-Dimethyloxazolidine	mixture	0.1 – 1
Carbamic acid mixture	mixture	0.1 – 1
Polycarboxylate salt	mixture	0.1 – 1

EQ CREDIT: LOW-EMITTING MATERIALS

Barritech VP is a waterborne emulsion, considered to have low volatile organic content “VOC” and low odor. VOC content is 48 g/L SCAQMD* Rule 1113 Architectural Coatings

Category	Product VOC Content	Limit 1/1/19
Building Envelope Coating	48 g/L	50 g/L

*Southern California Air Quality Management District

Barritech VP has Greenguard Gold certification from Underwriters Laboratories “UL” as a Low Emitting Material. UL GreenGuard Gold Certificate Number is 130244-420. The basis of this rating is performance to California Department of Public Health “CDPH” Standard v1.1 2010.

