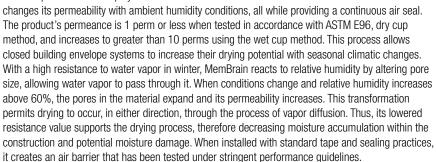


MemBrain Continuous Air Barrier & Smart Vapor Retarder

PRODUCT DESCRIPTION

Basic Use: CertainTeed's MemBrain™
Continuous Air Barrier & Smart Vapor Retarder is a vapor retarder sheeting intended for use with unfaced, vapor-permeable mass insulation (fiber glass and mineral wool) in wall and ceiling cavities.

Benefits: MemBrain Continuous Air Barrier & Smart Vapor Retarder is a polyamide film that



This product can be used in place of traditional vapor retarders with unfaced fiber glass insulation to provide an insulation system that is ideal in some of the more severe climate condition areas in terms of both temperature and humidity. In addition, MemBrain may be installed as an interior air barrier system combined with recommended tapes and sealants.

Composition and Materials: MemBrain Continuous Air Barrier & Smart Vapor Retarder is formed by blowing a 2-mil thick film of polyamide (nylon).

Limitations: MemBrain Continuous Air Barrier & Smart Vapor Retarder is recommended for use in heating and mixed climates. The product is not suited for cooling climates with high outdoor humidities. MemBrain is not suitable in buildings with exceptionally high, constant indoor humidity levels, such as swimming pools and spas. This product should also not be used with specialty-conditioned spaces with relative humidities intentionally greater than 50%. Use of MemBrain is not recommended where residential humidification systems are set at relative humidities greater than 50%. MemBrain's performance in rooms with short peaks of high humidity, such as bathrooms and kitchens, will not be affected because of the buffering action of interior finishes.

Do not use low permeance interior finishes such as vinyl wallpaper or vapor retarding paints with MemBrain. The drying benefits of MemBrain will diminish with the use of low permeance finishes. MemBrain has not been tested for use with wet spray insulation systems and is not recommended at this time. MemBrain should not be used as a vapor barrier between concrete subfloors and flooring materials, or as a ground cover in basements and crawl spaces. This product is not recommended for applications having direct or indirect (reflected) ultraviolet light exposure due to solar or electrical sources. Special care should be taken when working with an open flame. Check local practice and/ or building codes for use of vapor retarders. To avoid danger of suffocation, keep this and all plastic film away from babies and small children.

Sizes: This product is manufactured in nominal widths to cover interior walls that are 8, 9, 10 and 12 feet high. The material is folded and rolled to create rolls containing 100 linear feet of product. Available standard sizes are listed in Table 1.



TECHNICAL DATA

Applicable Standards

- Model Building Codes:
 - -ICC
 - National Building Code of Canada 2005 & 2010
 Articles 9.25.4.2
 Articles 9.25.3
 CCMC Evaluation Report #13278-R
- · Material Standards:
 - ASTM C665 Section 7.4, Water-Vapor Permeance
 - ASTM E96

Fire Resistance

-ASTM E84

Surface burning characteristics Max. Flame Spread Index: 20 Max. Smoke Developed Index: 55

Quality Assurance

CertainTeed was the first fiber glass insulation manufacturer to have its manufacturing plants, R&D center and corporate headquarters registered to ISO 9001-2000 standards.

PHYSICAL AND CHEMICAL PROPERTIES								
PROPERTY	TEST METHOD	RESULT						
Water Vapor Permeance (57ng/Pa●s●m²)	ASTM E96 Desiccant Method	≤1.0 perm						
Water Vapor Permeance (572ng/Pa•s•m²)	ASTM E96 Water Method	>10 perms						
Corrosivity	ASTM C665	No unusual aspect of corrosion such as pitting, cracking and adhesive cure inhibition						
Fungi Resistance	ASTM C1338	No growth						

Table 1

MemBrain Continuous Air Barrier & Smart Vapor Retarder – CCMC REPORT #13278-R														
IMPERIAL WIDTH		METRIC WIDTH		COVERAGE		LENGTH		ROLL WGT. (WITH BOX & CORE)		ROLLS/PALLET*	WEIGHT/PALLET			
ft	in	Actual	m	mm	Actual	ft²	(m²)	in	(mm)	lbs	kg		lbs	kg
8	96	100	2.44	2438	2540	800	(74.3)	28.3	(718)	11.1	5.0	45	545	247
9	108	112	2.74	2743	2845	900	(83.6)	31.5	(800)	12.5	5.7	45	608	276
10	120	124	3.05	3048	3150	1000	(92.9)	34.5	(876)	13.7	6.2	40	593	269
12	144	148	3.66	3658	3759	1200	(111.5)	41.0	(1041)	17.0	7.7	30	555	252

^{* 48&}quot; (1219 mm) maximum pallet height.

INSTALLATION

For most areas, vapor retarders should be installed on the warm-in-winter side of the insulation (toward the interior). For some warm and humid areas, the vapor retarder should be installed towards the exterior of the building envelope. MemBrain is not intended to be used as an exterior vapor retarder. Check local practice and/or building codes.

Installation in wood framing: Same as polyethylene sheeting. Please see MemBrain Installation Instructions for Wood Framing and Steel Framing (30-28-142).

Installation as an Air Barrier System: MemBrain may be installed as a continuous interior air barrier system. Please see MemBrain Air Barrier Installation for Wood Framing (30-28-137).

AVAILABILITY AND COST

Manufactured and sold throughout the United States. For availability and cost, contact your local contractor, retailer or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

MAINTENANCE

Not required.

TECHNICAL SERVICES

Technical assistance can be obtained from either the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at 800-233-8990.







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