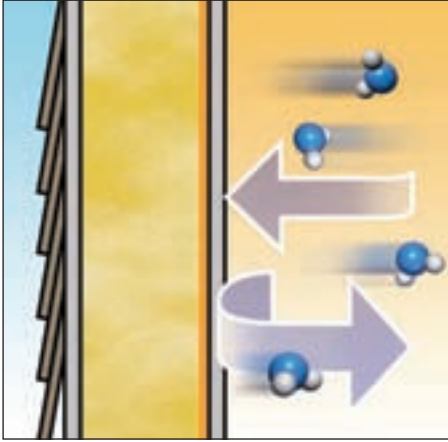


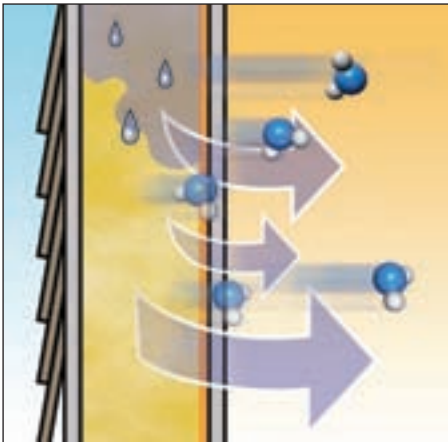
CertainTeed  
**MEMBRAIN™**  
Vapor Retarder Film



# MemBrain™—The Smart Vapor Retarder.



During the heating season, when relative humidities are typically low, MemBrain works as a vapor retarder.



During the cooling season, when relative humidities are typically high, MemBrain changes its permeance to increase drying potential.

It's the bane of every builder and the hidden risk in every home. It's moisture—lurking in the wall cavity, creating ideal conditions for mildew, rot and the respiratory problems they can cause.

Especially in climates with extreme seasonal fluctuations in climate and humidity, there's no foolproof way to keep moisture from getting into a wall. But now there's a revolutionary way to help get it out.

## DOES THIS WALL KNOW SOMETHING YOU DON'T?

MemBrain was designed on an ingenious principle: If you can't escape the possibility of moisture in a wall, why not let the moisture in the wall escape?

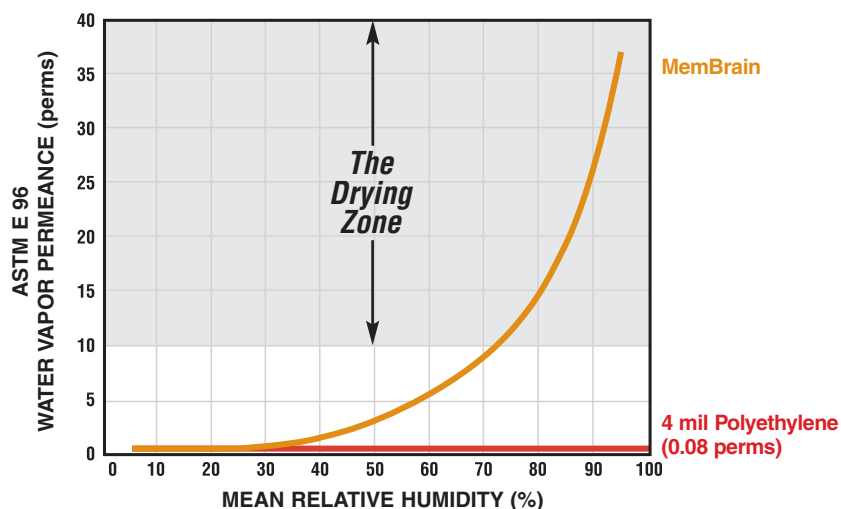
Made from an advanced material that changes its permeability with the ambient humidity condition, MemBrain allows closed building envelope systems to dramatically increase their drying potential with seasonal climatic changes.

## HOW DOES IT KNOW?

Designed to be applied over unfaced fiber glass insulation, MemBrain looks similar to typical polyethylene sheeting, but is actually a polyamide-based material. But what makes MemBrain unique is its ability to adapt its permeability depending on climatic conditions.

With a high resistance to water vapor in winter or low humidity, MemBrain behaves like a moisture vapor retarder such as poly sheeting. When the relative humidity increases, its water vapor permeability increases dramatically. This allows water vapor to escape the wall cavity easily when the humidity is high.

## MEMBRAIN'S DRYING ADVANTAGE



With MemBrain's permeability, moisture can escape from the wall cavity for optimal drying.



## WHY DIDN'T ANYONE THINK OF THIS BEFORE?

Vapor retarders have been used for decades to protect the wooden parts in a roof or wall from moisture damage by minimizing the diffusion of moisture in areas where it can create problems. But these vapor retarders have a fixed permeability that can't adapt to changing conditions. The patented MemBrain

technology was first introduced in Europe over ten years ago and is steadily becoming the preferred vapor retarder among European specifiers.

## HOW SMART IS IT?

Using MemBrain will cost you more per installation than poly but could result in lower cost over the long run by reducing your risk/liability due to moisture problems. So even though using MemBrain costs you a little more, the costs of not using it could be potentially much higher.



## GET SMART ABOUT BUILDING SCIENCE.

Building Science continues to gain attention and grow in importance. A number of factors—from code requirements to increased media coverage—have brought this issue to the forefront. CertainTeed understands the role insulation and innovative products like MemBrain play in the overall integrity of a building system. We have a dedicated Building Science department that works regularly with building professionals to solve critical building envelope issues and provide solutions that have a positive and lasting effect on the industry.

# CertainTeed is the right choice for your business.

## THE RIGHT PRODUCTS.

CertainTeed has been making quality building products for more than 100 years and is part of the largest building materials company in the world, Saint-Gobain. We offer you a full line of fiber glass insulation products to meet the needs of your business and your customers.

And even though we've been doing this for a long time, we're always looking for new and better ways to improve our products and increase productivity. Many of our manufacturing plants are registered to ISO 9001:2000 standards. So you know you're getting the best products possible.

## THE RIGHT PERFORMANCE.

Our fiber glass insulation products have achieved GREENGUARD® Certification for superior indoor air quality performance. This means our products will contribute very low levels of volatile organic compounds (VOCs) and other pollutants to the indoor environment.

## THE RIGHT DELIVERY.

It's tough for you to sell something when it's not there. CertainTeed delivers product when we say we will—or we will credit you 3% of the invoice amount. Our Customer Bill of Rights guarantees it.

## THE RIGHT PROGRAMS.

Our ultimate goal, of course, is to deliver the absolute best products and programs for your business. We offer solutions that streamline inventory and incentives to maximize sales as well as margins.

## THE RIGHT SUPPORT.

We don't just sell insulation. We listen. We want to understand the unique needs of your business in order to deliver solutions that actually work. From our Building Science department to our dedicated sales team, we work to earn your trust and your business—order after order, year after year.



*For questions regarding specifications, building codes and installation practices, contact our Technical Services Department at (800) 233-8990.*

## ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

**EXTERIOR:** ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE  
**INTERIOR:** INSULATION • GYPSUM • CEILINGS

CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482

Professional: 800-233-8990  
Consumer: 800-782-8777  
[www.certainteed.com](http://www.certainteed.com)

