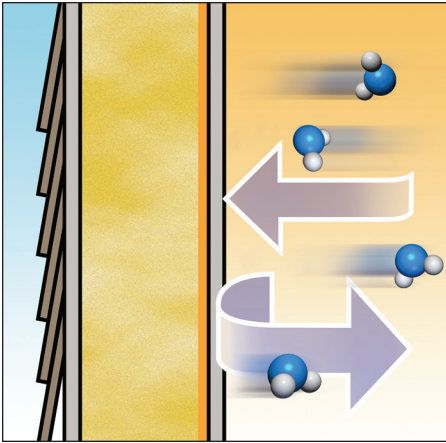


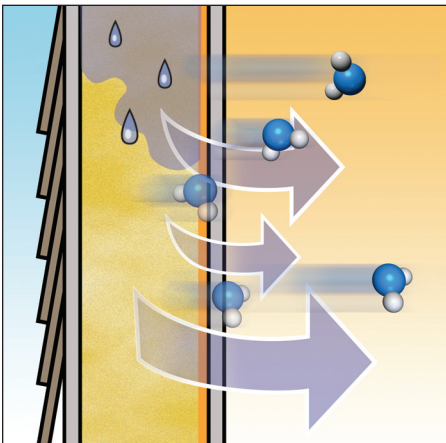
CertainTeed
MEMBRAIN™
Vapor Retarder Film



MEMBRAIN™—The Smart Vapor & Air Barrier Film



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?

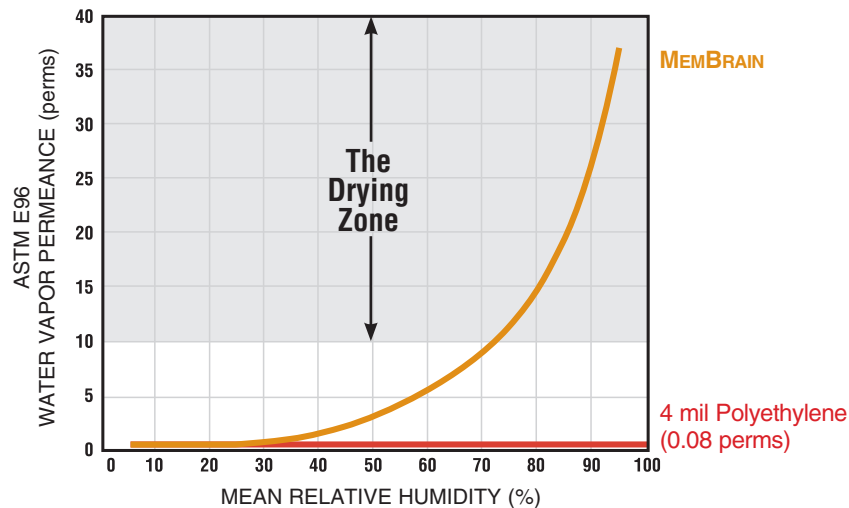
Made from an advanced material that changes its permeability with the ambient humidity condition, MemBrain allows closed building envelope systems to dramatically increase their drying potential with seasonal climatic changes.

HOW DOES IT KNOW?

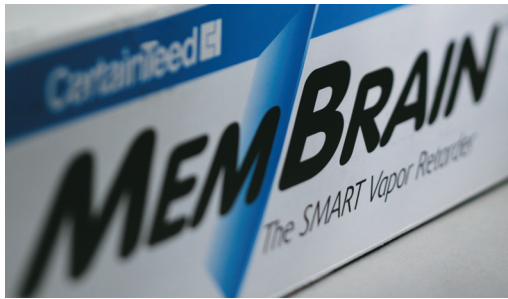
Designed to be applied over unfaced fiber glass insulation, MemBrain looks similar to typical polyethylene sheeting, but is actually a polyamide-based material. But what makes MemBrain unique is its ability to adapt its permeability depending on climatic conditions.

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.



Getting comfortable with CertainTeed.

For over 100 years, CertainTeed has been the recognized performance brand among building professionals, as well as a leading researcher and producer of fiber glass insulation. With a wide selection of insulation products to fit your home from the basement up to the attic, you can find comfort in knowing all your insulation needs will be met.



ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS
GYPSUM • CEILINGS • INSULATION • PIPE

www.certainteed.com/insulation

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

Professional: 800-233-8990
Consumer: 800-782-8777

© 8/11 CertainTeed Corporation
Code No. 30-28-121