A Smarter Insulation to Manage Moisture with MoistureSense™ Technology

SMARTBATT™

CertainTeed
SAINT-GOBAIN
The CertainTeed Difference

When you choose CertainTeed Insulation, part of the largest insulation manufacturer in the world, you’re installing much more than trusted high-performance insulation products. You’re installing confidence. With more than 100 years of experience, we’re the only insulation manufacturer with a truly comprehensive offering to help you achieve optimal comfort, with fiber glass Sustainable Insulation®, blowing wool, spray polyurethane foam, smart vapor retarder and air barriers and mold protection. You can Be Certain our variety of products, multi-product solutions and Building Science expertise will help you create better living spaces.
CertainTeed SMARTBATT™ Insulation with MoistureSense™ Technology is a revolutionary way to help create healthier homes by intelligently addressing moisture. You can elevate moisture management with this advanced, proprietary technology — the only one of its kind.

The only solution that adapts based on moisture levels.
- **Blocks** indoor moisture from entering when humidity in the cavity is low.
- **Breathes** when it senses high humidity in the cavity that needs to be released to the interior conditioned space.

**UNDERSTANDING BUILDING SCIENCE**

**Thermal Performance**
Heat constantly moves to colder areas, which is why homes need thermal resistance (measured by R-Value) between the indoors and outdoors.
- Highly efficient SMARTBATT fiber glass insulation helps save on energy bills
- Creates a more comfortable living space

**Moisture Management**
Moisture is unavoidable in any home, making moisture in the cavity almost inevitable — and dangerous if not addressed. SMARTBATT with MoistureSense Technology helps provide a healthier indoor environment.
- Can reduce the risk of mold and mildew
- Improves indoor air quality

**Acoustics**
Acoustics play an important role in the overall comfort and enjoyment of your home, and SMARTBATT is a smart choice to enhance acoustics throughout the home.
- Helps block disturbing outside noise
- When added to interior walls, adds 4 to 12 points to the Sound Transmission rating of a wall assembly

**Creating a Comfortable Home**
Your insulation choice impacts thermal performance, as well as moisture management, air tightness* and acoustics. When you control all aspects of the elements below, you will create Complete Comfort.

* When paired with a caulk and seal package, an airtight assembly can be achieved to optimize performance.

**COMPLETE COMFORT**

**Comfort + Safety**
SMARTBATT is the first kraft-faced batt to be Class A fire rated.
Managing Moisture in the Cavity

THE ONLY PRODUCT TO BLOCK AND BREATHE

The SMARTBATT™ innovative MoistureSense™ facing, unlike traditional polyethylene vapor barriers, is a smart vapor retarder. It blocks moisture when humidity is low in the cavity yet increases its permeability when humidity is high to let moisture escape.

LOW HUMIDITY

Remains moisture tight in winter when humidity in the cavity is low.

HIGH HUMIDITY

Increases permeability in summer to let moisture escape when needed.

WATER VAPOR PERMEANCE

- Greater performance and permeance rating compared to traditional kraft insulation
- Traditional kraft facing has limited permeance on average of 0.1 – 1.0, while SMARTBATT can adapt from almost completely closed to fully open based on humidity levels in the cavity
- Greater drying capability reduces potential mold/mildew growth
- SMARTBATT’s performance was previously only available in a two-step installation rolled sheet product
- When paired with a caulk and seal package, offers superior, cost-effective air tightness and moisture management system

MANAGE MOISTURE IN THE CAVITY

When you manage moisture, you reduce the potential for mold and mildew growth.

Mold

Moisture buildup can lead to mold growth which can cause health issues.

Rot

Persistent moisture can eventually cause expensive structural damage.

Water Vapor Permeance Comparison

Mean RH (%) 0 10 20 30 40 50 60 70 80 90 100

Permeance (Perm) 0 4 8 12 16 20 24 28 32

SMARTBATT

Asphalt-coated Kraft

4 Mil Polyethylene
Moisture vapor, which travels in the air, can enter the home through external air leakage and everyday indoor activities. In fact, an average family of four can generate two to three gallons of water vapor per day from cooking, bathing, washing dishes and laundry. When moisture vapor penetrates the wall cavity, it can condense on cold surfaces and accumulate in the building envelope.

**IDEAL APPLICATIONS FOR SMARTBATT**

- Crawlspaces
- Basements
- Bathrooms
- Laundry Rooms
- Kitchens
- Exterior Walls
- Any place you would use traditional kraft insulation

**SMARTBATT PRODUCT FEATURES**

- Unique kraft facing — industry first
- Superior drying capability
- Meets ASTM C1338 to inhibit mold growth on the facing
- Easy installation
- Cuts easier than kraft
- Sustainable Insulation®
- Class A fire rated
Create a More Comfortable Home

At CertainTeed, we believe in a higher level of comfort. We believe in Complete Comfort, where your insulation system successfully controls thermal performance, air tightness, moisture management, and acoustics. That’s why we offer the most complete line of insulation products that work together to ensure every building achieves Complete Comfort.

Fiber Glass | Spray Foam | Mold Prevention
Mechanical & Industrial | Equipment

learn more at: certainteed.com/insulation