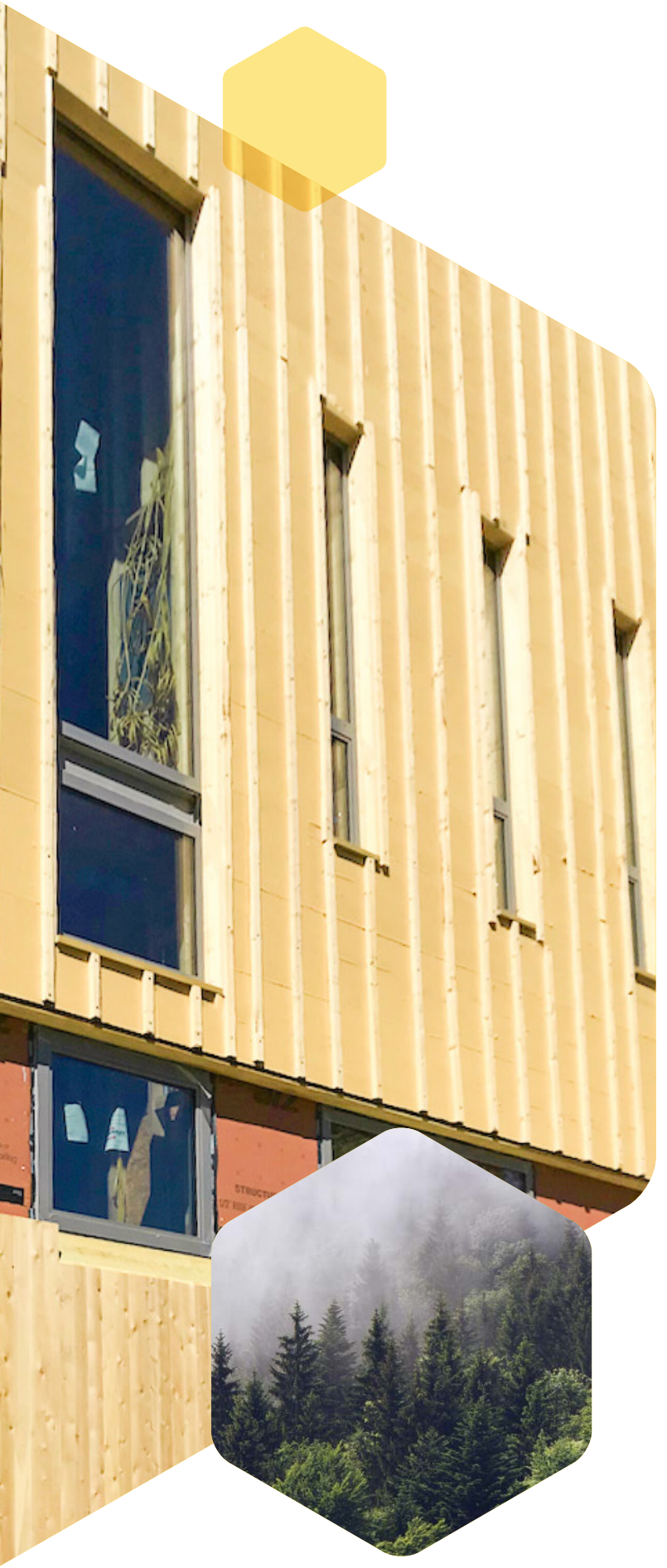
TIMBERBOARD® by TimberHP

High-Performance Continuous Exterior Wood Fiber Insulation

INSULATE BETTER. LIVE BETTER.™



TIMBERHP

The Familiar Difference of TimberBoard

A FAMILIAR MATERIAL IN A NEW ROLE

The wood you trust to raise the wall is now the same wood you can trust to insulate it. For advanced sound, thermal, moisture, and fire control. For structures that are naturally dry, comfortable and built to last. It's one of the earth's oldest building materials re-engineered for the modern wall. Now there really is nothing you can't do with wood.

TimberBoard is continuous wood fiber insulation that feels familiar to work with while improving energy performance and long-term durability. Its exceptional drying potential and straightforward, cost-effective cladding attachment make it a natural fit for high-performance rainscreen assemblies. TimberBoard installs with familiar tools and construction methods while providing the durability needed beneath strapping and exterior cladding.

MEET CODE. NOT COMPROMISE.

Modern energy codes increasingly require continuous insulation, but not all continuous insulation materials behave the same way.

Unlike impermeable foam products that can trap moisture and restrict drying, TimberBoard is vapor open, allowing assemblies to better manage and release moisture over time. Its hygroscopic wood fiber structure helps buffer moisture while maintaining thermal performance, supporting more resilient wall assemblies.

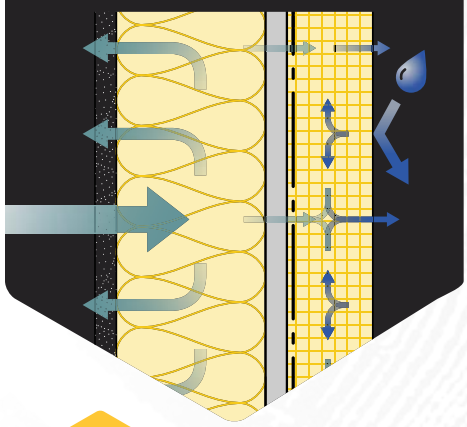
TIMBERBOARD in the MODERN WALL:

Modern wall performance depends on how the full assembly manages heat, moisture, sound, fire, and health. Tested assemblies, documentation and installation guidance are available to support specification, code compliance and consistent results in the field.

BUILT TO DRY

Vapor Open Moisture Management

- Vapor-open wood fibers help wall assemblies dry to the exterior, supporting long-term durability
- Water-resistant paraffin throughout the board allows TimberBoard to withstand normal weather exposure for up to 6 months, giving builders greater flexibility with scheduling and sequencing*
- Helps reduce wind washing while supporting durable, moisture-resilient wall assemblies



CODE READY CI

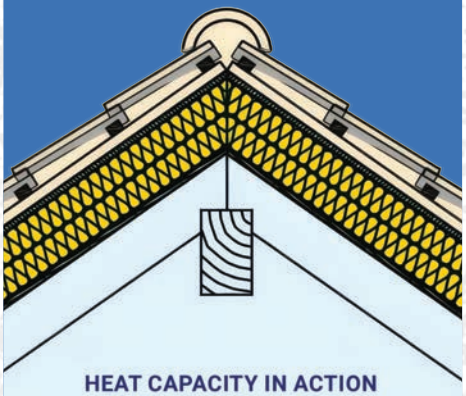
Meet Code, Not Compromise

- ICC-ES ESR-5387 evaluated for prescriptive continuous insulation applications
- Supports code-compliant wall assemblies in all climate zones
- ASTM E84 Class B fire performance
- Vapor-open moisture management without sacrificing more familiar installation methods

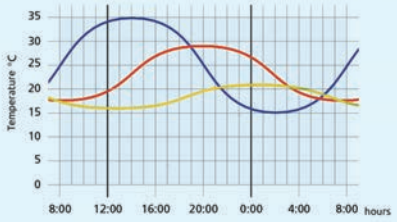
SUMMER HEAT PROTECTION

Performance Beyond R-Value

- **Heat capacity** describes how much heat a material can absorb and store before its temperature rises. The more heat it can store, the **longer it can delay that heat from reaching the interior**
- **Wood fiber has one of the highest heat capacities of any conventional insulation,** helping slow heat transfer during the hottest hours of the day and reducing cooling demands
- Two walls can have the same R-value yet feel dramatically different on a hot summer afternoon. Heat capacity and higher density (mass) help explain the difference



HEAT CAPACITY IN ACTION



External Temperature
Interior Temp - Mineral Wool Insulation
Interior Temp - Wood Fiber Insulation

BUILDINGS THAT GIVE BACK

Store Carbon. Save Carbon.

- Helps reduce operational carbon through energy-efficient performance while reducing upfront emissions, storing carbon in the building envelope
- Made in Maine from residual softwood fiber, transforming a byproduct into long-lasting insulation
- Backed by a third-party verified EPD and among the industry's lowest-embodied-carbon continuous insulation materials

INSTALL CONFIDENCE

High Compressive Strength

- High compressive strength helps create a flatter, more consistent strapping plane
- Made from wood, TimberBoard cuts, fastens and details with familiar tools and techniques
- Delivers durable support beneath cladding without sacrificing vapor openness

*Up to 6 months of exposure on sidewall applications during normal construction conditions. Follow TimberHP installation guidelines for best practices.

Proven Wood Fiber Technology.

PERFORMANCE WITH NATURAL ORIGINS

For more than two decades, European manufacturers have refined wood fiber insulation to meet the demands of modern construction. Today, that proven technology is made in North America by TimberHP in Madison, Maine, bringing a trusted building material into a new era for the next generation of builders.

A FAMILIAR MATERIAL IN A NEW ROLE

You know how wood cuts, how it carries and how it handles. You know where it gives and where it holds. You've trusted it to frame buildings to stand the test of time. Wood is one of the oldest and most trusted materials in construction. With TimberHP's expanding line of wood fiber insulation you now have a high-performance, cost-effective alternative to conventional insulation.

Easy and safe to install, it delivers a powerful combination of thermal performance, vapor openness, healthier air, and long-term durability.

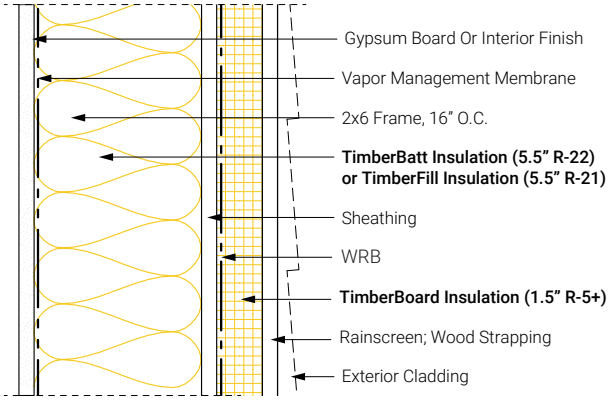
Insulate Better.

▶ learn more at timberhp.com/timberboard

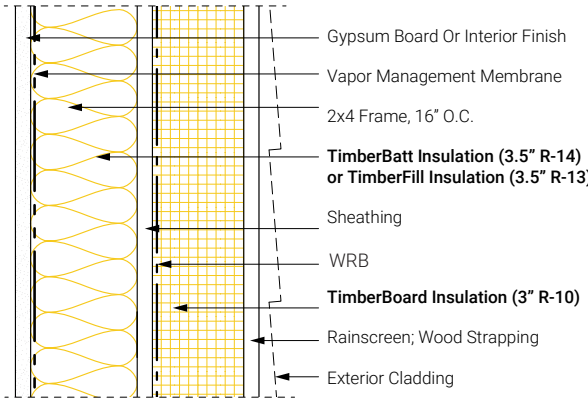
MEETING CODE WITH TIMBERHP

Pair TimberBatt or TimberFill in the cavity with TimberBoard on the exterior, and you'll meet 2021/2024 IRC wall-insulation requirements for 2×4 and 2×6 wood-framed walls across Climate Zones 4–8

2X6 WALL



2X4 WALL



KEY ATTRIBUTES

- Continuous insulation solution for walls to reduce energy loss and prevent thermal bridging
- Windproof, water-resistant, vapor-open material that manages moisture instead of trapping it
- High heat capacity helps moderate indoor temperature swings during summer months
- Durable, easy to handle, cut, and install

BUILD AMERICA BUY AMERICA BABA COMPLIANT · ICC ES · EPD · MADE IN USA

Better Shield. Better Performance.

WALLS THAT BREATHE. BUILDINGS THAT PERFORM

R-VALUE ISN'T ENOUGH. TIMBERHP BOARD INSULATION ACTIVELY MANAGES HEAT AND MOISTURE FOR LASTING DURABILITY.

TIMBERBOARD

TimberHP transforms one of the earth's oldest building materials into high-performance insulation engineered for the modern wall. Bring the same confidence you have in wood structurally to the way your building performs thermally.

TimberBoard is a vapor-open wood fiber continuous insulation for exterior wall assemblies, designed to support modern high-performance building envelopes. It integrates easily with wood-framed construction, helping manage heat, moisture and thermal bridging without added installation complexity.

Its rigid yet workable composition accommodates standard wall detailing, framing variations and facade interfaces, supporting consistent coverage and reliable installation. TimberBoard also delivers strong thermal performance while allowing outward drying, providing a durable alternative to foam-based continuous insulation for residential and light commercial projects.

KEY ATTRIBUTES

- Continuous exterior insulation reduces thermal bridging and improves whole-wall performance
- Excellent airflow resistance helps reduce wind washing while allowing assemblies to dry
- Made from renewable wood fiber. Stores Carbon, backed by a third-party verified EPD.
- It's durable, easy to handle, cut and install
- High heat capacity helps moderate indoor temperature swings during summer months.

Additional Insulation Solutions From TimberHP

TIMBERBATT

TimberBatt combines acoustic comfort, vapor-open moisture management and reliable thermal performance in a familiar batt format builders already know how to install. Its flexible wood fiber construction friction-fits tightly within standard framing cavities, helping crews achieve consistent Grade I installations with fewer gaps and voids.

Unlike conventional batt insulation, TimberBatt delivers multiple performance benefits in a single material, from quieter interiors and healthier indoor air quality to improved moisture management and year-round comfort.

KEY ATTRIBUTES

- High thermal performance and heat capacity for year-round comfort (R-3.7 to R-4.0 per inch)
- Excellent sound absorption for quieter, more comfortable living spaces
- Vapor-open wood fiber helps manage and redistribute moisture within the assembly
- ASTM E84 Class A fire performance
- Supports healthier indoor air quality with GREENGUARD Certification, Red List Free ingredients and no added formaldehyde
- Borate-treated to resist mold and mildew growth (ASTM C739)
- Flexible friction-fit design to support consistent Grade I installations
- Comfortable to cut, handle and install, without the abrasive fibers found in some insulation materials
- Stores carbon for the life of the product, backed by a third-party verified EPD
- Sized for standard 16" and 24" o.c. wood and steel framing cavities

TIMBERFILL

TimberFill dense-pack and loose-fill wood fiber insulation helps builders create high-performance assemblies that are comfortable, quiet and durable. Designed for walls, floors, ceilings and attics, TimberFill complements TimberBoard and TimberBatt to deliver thermal performance, moisture management and carbon storage throughout the building envelope.

KEY ATTRIBUTES

- Dense-pack and loose-fill applications for walls, floors, ceilings and attics
- High thermal performance and heat capacity for year-round comfort
- Vapor-open wood fiber helps manage and redistribute moisture within the assembly
- Excellent airflow resistance helps reduce convective heat loss and air movement
- Borate-treated to resist mold and mildew growth (ASTM C739)
- ASTM E84 Class A fire performance
- Supports healthier indoor air quality with GREENGUARD Certification, Red List Free ingredients and no added formaldehyde
- Stores carbon for the life of the product, backed by a third-party verified EPD
- Robust softwood fibers interlock to resist settling for reliable, long-term performance

EXPLORE THE FULL TimberHP PRODUCT SUITE:

ELEVATE YOUR ENVELOPE WITH WOOD FIBER

From continuous exterior insulation to cavity and loose-fill applications, TimberHP offers American-made wood fiber solutions for the whole above-grade building envelope.

TIMBERBOARD®

by TimberHP

1 MAIN ST., MADISON, ME 04950 • 1-855-755-1359

LEARN MORE AT TIMBERHP.COM/TIMBERBOARD

MADE IN USA

#THP-BD-CB-82026