

TIMBERBATT®

by TimberHP

High-Performance Acoustic & Thermal Wood Fiber Insulation

INSULATE BETTER. LIVE BETTER.™



TIMBERHP

The Familiar Difference of TimberBatt

BUILD WITH WHAT YOU KNOW.

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.

TimberHP's TimberBatt is a flexible, press-fit cavity insulation composed of refined wood fiber protected by natural flame retardants. Its fiber structure and density help installers achieve a Grade I installation the first time, every time.

BEYOND R-VALUE

Most insulation conversations begin and end with R-value. TimberBatt delivers competitive thermal performance, but its real advantages go beyond a single number.

Unlike conventional foam plastic insulation that can trap moisture within wall assemblies, or non-organic insulation that allows moisture to quickly transfer to framing and sheathing, TimberBatt's vapor-open, hygroscopic properties allow it to temporarily absorb and release moisture, helping walls manage seasonal moisture loads more effectively, without sacrificing performance. Moisture-tolerant wall assemblies support long-term durability and occupant comfort.

TimberBatt's friction-fit installation reduces gaps and voids, and combined with its high density fibers, it provides excellent sound abatement, reaching ratings above STC 50 and up to a 1.15 NRC rating.

TIMBERBATT 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.

INDUSTRY-LEADING SOUND ABATEMENT

Quiet Comfort

- Dense wood fibers close gaps and voids and absorb and dampen sound across a wide range of frequencies
- Reach STC 50+ for quieter, more comfortable spaces
- Absorb unwanted noise with NRC ratings up to 1.15



CLASS A FIRE PERFORMANCE

Fire Resistance Without Toxins

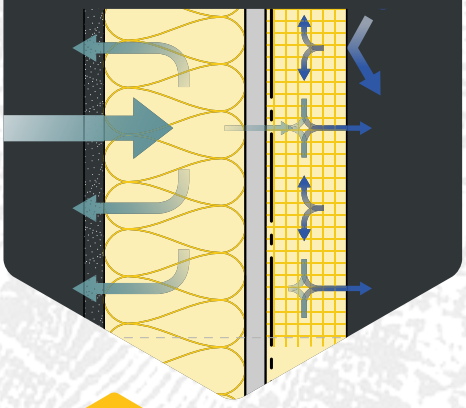
- Natural borate treatment achieves ASTM E84 Class A fire performance without synthetic flame retardants



MOISTURE-SMART ASSEMBLIES

Dryer Walls, Built to Last

- Wood fibers naturally buffer and redistribute moisture as conditions change
- Vapor-open and breathable, allowing vapor to pass through wall assemblies rather than becoming trapped, helping to prevent mold, condensation and rot
- Density and composition help resist airflow and wind washing, supporting consistent thermal performance
- Assemblies dry while maintaining superior thermal and acoustic performance



NO CALLBACKS

Grade I Install Made Easier

- Flexible friction-fit installation helps reduce gaps, voids and compression
- Conforms to framing irregularities, wiring, and plumbing
- Supports consistent Grade I installation quality



BUILDINGS THAT GIVE BACK

Store Carbon. Save Carbon.

- Helps reduce operational carbon through generations of 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
- Among the industry's lowest embodied-carbon insulation materials, backed by a third-party verified EPD

BETTER INDOOR AIR QUALITY

Designed for Healthier Buildings

- GREENGUARD Certified and Red List Free for trusted indoor air quality
- Vapor-open walls help manage moisture for durable, healthier building assemblies
- Natural borate treatment helps inhibit mold and mildew growth

Proven Wood Fiber Technology.

PERFORMANCE BUILDS 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.

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 materials used by the building community. 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 sound abatement, thermal performance, vapor openness, healthier air and long-term durability.



Insulate Better.

▶ learn more at timberhp.com/timberbatt



UNDERSTANDING STC RATINGS

Sound Transmission Class (STC) is the industry-standard rating used to measure how effectively a wall, floor, or ceiling assembly reduces airborne sound. **The higher the STC rating, the more sound is blocked.**

STC RATING | WHAT YOU HEAR	
30	Speech easily understood
40	Speech difficult to understand
50	Speech heard as only a murmur
60+	Excellent sound isolation

Even small changes can make a meaningful difference. An increase of just a few STC points can noticeably improve privacy and occupant comfort, while a 10-point increase is generally perceived as roughly cutting sound transmission in half.

ACOUSTIC PERFORMANCE

Assembly	STC*	OITC	RAL#
3-5/8" Metal Studs 16" o.c. TimberBatt acoustic, RCSD on Source Side, Single Layer of 5/8" Type X Gypsum Board on Both Sides	53	34	TL23-007
3-5/8" Metal Studs 16" o.c. TimberBatt acoustic, Single Layer of 5/8" Type X Gypsum Board on Both Sides	46	30	TL23-008
3-5/8" Metal Studs 24" o.c. TimberBatt acoustic, RCSD on Source Side, Single Layer of 5/8" Type X Gypsum Board on Both Sides	53	32	TL23-009
3-5/8" Metal Studs 24" o.c. TimberBatt acoustic, Single Layer of 5/8" Type X Gypsum Board on Both Sides	49	30	TL23-010

BUILD AMERICA BUY AMERICA BABA COMPLIANT · ICC ES · EPD · MADE IN USA · Red List Free · UL GREENGUARD

Better Fit. Better Performance.

IF IT LOOKS LIKE WOOD AND CUTS LIKE WOOD, IT'S WOOD.

FOR SCHOOLS, OFFICES AND MULTIFAMILY BUILDINGS, SOUND CONTROL CAN BE ONE OF THE MOST PRACTICAL PROOFS OF BETTER PERFORMANCE.

TIMBERBATT

TimberHP transforms one of the earth's oldest building materials into high-performance insulation engineered for the modern wall. You can bring the same confidence you have in your build, **structurally**, to your build, **thermally**, with exceptional sound, moisture and fire performance, too.

TimberBatt is designed for the demands of construction, where speed, consistency, and predictable performance matter across every trade. It installs easily in (1) **walls**, (2) **floors**, and (3) **ceiling cavities** without requiring specialized tools or nonstandard techniques, helping crews stay productive and on schedule.



Its flexible wood fiber construction conforms around framing irregularities, MEP runs, and complex penetrations, supporting consistent, full-cavity coverage even in fast-paced commercial builds. This helps reduce callbacks and improves reliability across large, repetitive installations.

TimberBatt is a high-performing thermal and sound alternative to fiberglass and mineral wool insulation, supporting more comfortable, code-compliant spaces in multifamily, office, education, healthcare, civic and other light commercial applications. You get premium performance without the premium price point.

KEY ATTRIBUTES

- Stable R-3.7 to R-4 per inch
- STC 50+ rating, NRC rating up to 1.15
- ASTM E84 Class A Fire Performance
- Vapor-open wood fiber helps manage and redistribute moisture within the assembly
- High density, low thermal conductivity, and high heat capacity help moderate temperature swings throughout the year
- Comfortable to handle with no added formaldehyde
- Borate-treated to resist mold and mildew growth (ASTM C739)
- Carbon Storing, backed by a third-party verified EPD
- GREENGUARD Certified, Declare labeled, Red List Free
- Press-fit, easy and safe handling, cutting, and installation
- Sized for 16" o.c. and 24" o.c. wood and steel cavities: 3", 3.5", 5.5", 6", and 7.25" thicknesses

Additional Insulation Solutions From TimberHP

TIMBERBOARD



TimberBoard is a vapor-open continuous wood fiber insulation that helps builders meet modern energy code requirements while improving comfort, moisture management and long-term durability. Designed for above-grade wall assemblies, it combines high heat capacity with exceptional drying potential and the compressive resistance needed beneath rainscreen strapping and exterior cladding.

Installed with familiar tools and construction methods, TimberBoard provides a practical path to reduced thermal bridging, improved energy performance and more resilient wall assemblies.

KEY ATTRIBUTES

- Continuous insulation reduces thermal bridging and supports modern energy code requirements (R-3.4 to R-3.7 per inch)
- High heat capacity helps slow summer heat gain and support more stable indoor temperatures
- Vapor-open and water-resistant for exceptional drying potential
- High compressive resistance supports fast, straightforward rainscreen and cladding attachment
- Stores carbon for the life of the product, backed by a third-party verified EPD
- Made from wood fiber and installs with familiar tools and construction methods
- ASTM E84 Class B fire performance without added flame retardants

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.



TIMBERBATT®

by TimberHP

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

LEARN MORE AT TIMBERHP.COM/TIMBERBATT

MADE IN USA

#THP-BT-CB-82026