INSULATE BETTER. LIVE BETTER. ™

PRODUCT DATA SHEET

# TimberBoard by TimberHP

## Product Description

Manufacture of TimberBoard begins with softwood fiber from FSC-certified forests, adhesive and Paraffin. Compressing the mixture creates a single-ply continuous insulation—ideal for addressing thermal bridging and improving overall performance of the building envelope. Single-ply boards range in thickness from 1" to 9.25" at widths of 24" and 48" with lengths up to 8', and can deliver R-3.4 to 3.7 per inch. The continuous tongue and groove detailing of TimberBoards creates an excellent wind-resistant assembly, while the composition of the board delivers a hydrophobic surface to repel water.

## Applications

TimberBoard is an ideal continuous insulation for roofs and above-grade walls. The rigidity and density of wood fiber board products make them easy to handle, cut, and install. Traditional wood cutting tools work well.

## Market Position

TimberBoard replaces foam board insulations, such as expanded polystyrene (EPS), extruded polystyrene (XPS), and polyisocyanurate (PIR) in above-grade applications. Continuous foam board insulations can trap moisture in wood frame structures, leading to mold, mildew, and rot. TimberBoard is highly vapor permeable, allowing indoor humidity to escape. Wood fiber, through low thermal conductivity and high heat capacity, balances temperature swings in conditioned spaces to reduce both heating and cooling loads. TimberBoard offers high compressive strength, increasing the speed and precision of cladding installation. Wood fiber continuous insulation meets residential fire standards and is superior to most foam products in flame tests. TimberBoard does not release toxic emissions related to burning petroleum-based products. The product line is recyclable, non-toxic, and arrives at the jobsite with a negative carbon footprint.

## TECHNICAL DATA

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|---|---|
| Description | Rigid Wood Continuous Insulation |
| Full Declaration | Softwood Fibers, PMDI (bonding), Paraffin (waterproofing) |
| R-Value | 3.4 to 3.7 / inch |
| Vapor Permeability | 44 perm-inch |
| Compressive strength | 10-20 psi |
| Fire Protection | Class B ASTM E84 |

## DIMENSIONS

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|---|---|
| Edge Profile | Tongue & Groove \| Square Edge |
| Board Thickness | 1" (R3.6); 1.5" (R5+); 2" (R7); 2.5" (R9); 3.5"(R13); 4" (R15); 5.5" (R20); 7.25" (R26); 9.25" (R34) |

## Key Attributes

- R-3.4 to R-3.7 per inch
- Continuous insulation solution for walls and roofs to reduce energy loss and prevent thermal bridging
- Windproof, water-resistant, vapor open material that manages moisture instead of trapping it
- Carbon storing, renewable/sustainable, recyclable, no dangerous off gassing
- Durable, easy to handle, cut and install
- ASTM E84 Class B Flame and Smoke Spread without the addition of flame retardants
- Resists temperature fluctuations in conditioned spaces

**TimberHP by GO Lab**
1 Main Street
Madison, Maine 04950
www.timberhp.com
207.715.3636