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INSULATE BETTER. LIVE BETTER.™

PRODUCT DATA SHEET

TimberBoard™ by TimberHP

Product Description

TimberBoard™ is a rigid, vapor-open wood fiber board insulation used for continuous exterior insulation on walls and roofs, and floor applications. Manufactured in thicknesses from 1.5" to 9.25", TimberBoard™ combines high compressive strength with excellent thermal and acoustic performance. Price competitive with rigid foam and mineral wool boards, TimberBoard is made from renewable residual wood chips and provides architects with a carbon-storing solution that integrates seamlessly into high-performance building assemblies.

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. Unlike mineral wool insulation, 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.

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
- Industry-leading acoustic performance



TECHNICAL DATA

Description	Rigid Wood Fiber Continuous Insulation
Full Declaration	Softwood Fibers, PMDI (bonding), Paraffin Wax (waterproofing)
R-Value	3.4 to 3.7 / inch
Vapor Permeability	40 perm @ 1 inch
Compressive strength	10-20 psi
Fire Protection	Class B ASTM E84

DIMENSIONS

Edge Profile	Square Edge
Board Thickness	1.5"(R5+); 2"(R7); 2.5"(R9); 3"(R10); 3.5"(R12); 4"(R14); 5.5"(R20); 7.25"(R26); 9.25"(R34)



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www.timberhp.com/timberboard