



TECHNICAL DATA

Description	Rigid Wood Fiber Continuous Insulation
Full Declaration	Softwood Fibers, Binder, Paraffin Wax (waterproofing)
R-Value	3.4 to 3.7 per inch
Fire Protection	Class B ASTM E84

DIMENSIONS

Edge Profile	Square Edge
ESR Certified Thickness	1.5”(R5+); 2”(R7); 2.5”(R9); 3”(R10); 3.5”(R12); 4”(R14)
3rd Party Data	5.5”(R19); 7.25”(R26); 9.25”(R34)

Applications

TimberBoard™ is an ideal continuous insulation for 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

- 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
- Carbon storing, renewable/sustainable, recyclable, no dangerous off gassing
- Durable, easy to handle, cut and install
- Resists temperature fluctuations in conditioned spaces

Resources:

- [ICC-ES Report 5387](#)
- [Installation Guide](#)
- [3-Part Spec](#)
- [Limited Lifetime Warranty](#)



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This document is applicable in conjunction with other TimberHP documentation. Please heed our detailed application notes in your application. National building regulations must be complied with. Information on and suitability of the material for the intended purpose must in each case be examined by the customer. TimberHP® accepts no liability. This also applies to printing errors and subsequent amendments to technical data. REV 12-2-2025

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