HempWool™

Healthy, high performing fiber Insulation

hempitecture®

Benefits of Hempitecture HempWool

Improved Air Quality

HempWool contains no VOC's and absorbs harmful chemicals

Vapor Permeable

A vapor permeable material, HempWool allows moisture to pass through, while causing no risk of mold

Absorbs Sound

HempWool is a sound attenuating insulation material that absorbs sound, making your home comfortable both thermally and acoustically

Environmentally Friendly

Our insulation is environmentally friendly because it is derived from plant-based fibers that offset carbon dioxide

Easy to Install

HempWool is non abrasive, meaning it won't irritate your skin, making it easy to work with. No gloves are required for handling

Durable, Long Lasting

Long lasting and highly durable, HempWool is a material that gets its strength from resilient hemp fibers

Sustainable

High Thermal Performance

Efficient

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HempWool Pricing

R Value	Depth	SqFt / Palette	Retail Price per SqFt
R7	2"	704	$1
R13	3.5"	400	$1.25
R20	5.5"	256	$1.75
R28	7.5"	192	$2.50

Installation

HempWool is installed similarly to many conventional insulation products. However, because HempWool matches the depth of your studs, you may need to relieve the panels to accomodate electrical, plumbing, or other elements embedded in the wall or ceiling.

HempWool is a pressure fit system. It does not need glue or adhesives to be installed. Rather, cut all HempWool panels 1/2" bigger than your opening for it to be firmly fit in place.

When cutting HempWool panels, be sure to follow safety precautions such as eye and breathing protection. A table saw can be used to rip down panels to match stud bay spacing, where layout is not in common increments. A metal cut-off wheel can be used to make finer, more detailed cuts to accomodate wires or plumbing. HempWool can also be ripped by hand. Always follow OSHA guidelines.

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Technical Data

Hempitecture HempWool is 92% hemp fiber and 8% textile polyester. At R3.7/in, the thermal resistance of HempWool insulation is comprable to commonly used insulation products. HempWool does not contain any VOCs and is non-toxic. HempWool has been tested to the following ASTM Standards:

ASTM INTERNATIONAL

ASTM Standard	Property	Performance
ASTM C209	Density of insulation	2.18lbs/ft³ / 35Kg/m³
ASTM C518	Thermal Resistance	R3.69/in
	Thermal Conductivity	.040W/m.K
ASTM E96	Vapor Permeability	.647 Perms / 37ng/Pa.s.m²
ASTM E1354	Standard Test Method for Heat and Visible Smoke Release Rate	
	Ignition Time	6.67 sec.
	Average Heat Release Rate	5.74 (BTU/s/ft²)
	Total Heat Release	642.8 (BTU/ft²)
	Heat Release Maximum Rate	10.98 (BTU/s/ft²)
	Total Smoke Release by Surface Unit	217.26 (ft²/lb)
ASTM E84	Fire Resistance	Class A

Panel Dimensions

Hempitecture HempWool comes in a variety of depths and widths to meet your project needs. The standard widths are designed to accomodate standard framing spacing of 24" on center and 16" on center

R Value	Depth	Panel Width	Panel Length
R7	2"	15.25" / 23.25"	48"
R13	3.5"	15.25" / 23.25"	48"
R20	5.5"	15.25" / 23.25"	48"
R28	7.5"	15.25" / 23.25"	48"

Questions & Ordering:

Sales@Hempitecture.com
www.hempitecture.com