



HempWool®

Technical Data *

Hempitecture HempWool is 90% hemp fiber and 10% polymer fiber. At R3.69/in, the thermal resistance of HempWool insulation is comparable to commonly used insulation products. HempWool does not contain any VOCs and is non-toxic.



ASTM

| Standard | Property | Performance |
|------------|--|--|
| ASTM C209 | Density of insulation | 2.81 lbs/ft ³ / 45Kg/m ³ |
| ASTM C518 | Thermal Resistance | R3.69/in |
| | Thermal Conductivity | 0.040W/m.K |
| ASTM E1354 | Vapor Permeability | 0.647 Perms / 37ng/Pa.s.m ² |
| ASTM E96 | Standard Test Method for Heat and Visible Smoke Release Rate | |
| | Ignition Time | 6.67 sec. |
| | Average Heat Release Rate | 5.74 (BTU/s/ft ²) |
| | Total Heat Release | 642.8 (BTU/s/ft ²) |
| | Heat Release Maximum Rate | 10.98 (BTU/s/ft ²) |
| | Total Smoke Release by Surface Unit | 217.26 (ft ² /lb) |

* This technical data sheet contains testing data obtained by our manufacturing partner for our imported HempWool® insulation. Our Idaho made HempWool® is made to the same specifications, but has not been independently tested. A new technical data sheet covering the results of our improved HempWool® formulation is pending. Please consult with your local building department to use the product that meets your local inspector's compliance threshold.