



Mushroom® Insulation

PROTECT YOUR HOME AND THE EARTH

MycoFoam™, now proven to replace plastic foams for protective packaging, is coming next to insulation and acoustic tiles. Today's most common insulation materials have some serious negative environmental consequences. We're developing natural Mushroom® Insulation as a healthy, easy to install, fire resistant insulation product that performs. Mushroom® Insulation is available in limited quantities for select projects. Please contact our sales team to get the conversation started. We're currently working with partners from the building and construction field to scale this material.

MycoFoam™

FROM WETLAND RESTORATION TO PACKAGING, WE HAVE YOU COVERED

Ecovative grows MycoFoam™ from agricultural fiber and mycelium, the roots of mushrooms. Our material is used in applications that otherwise would require petroleum-based foams. 100% bio-based, MycoFoam™ can actually improve a local ecosystem. From Packaging, to insulation, acoustic panels, and wetland restoration rafts, MycoFoam™ is grown to support you and the environment.

Metric	Standard	Testing Lab	MycoFoam™
Density (lbs/ft³)	ASTM C303	Ecovative	7.6
Compressive Strength (psi)	ASTM C165	Ecovative	18
Compressive Elastic Modulus (psi)	ASTM C165	Ecovative	165
Flexure Strength (psi)	ASTM C203	Ecovative	34
NRC Rating	ASTM C423	Hudson Valley Acoustics Lab	0.6
Flame Spread	ASTM E84	QAI	20
Smoke Emission	ASTM E84	QAI	50
Thermal Conductivity, at 10°C (W/mK)	ASTM C518	Oak Ridge National Laboratory	0.039
R-value/in	ASTM C518	Oak Ridge National Laboratory	3.72
Water Vapor Permeation (dry cup)	ASTM E96	Oak Ridge National Laboratory	30
Moisture Storage at 53.5% RH (%)	ASTM C1498	Oak Ridge National Laboratory	8
Moisture Storage at 75% RH (%)	ASTM C1498	Oak Ridge National Laboratory	12
Termite Resistance	ASTM D3345	NTA	Pass
Mold Resistance	ASTM C1338	MicroStar	Pass
Accelerated Aging	ASTM D2126	Ecovative	Pass

Features & Benefits

- Cradle to Cradle Gold Certified
- USDA Certified 100% Bio-based

Contact

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