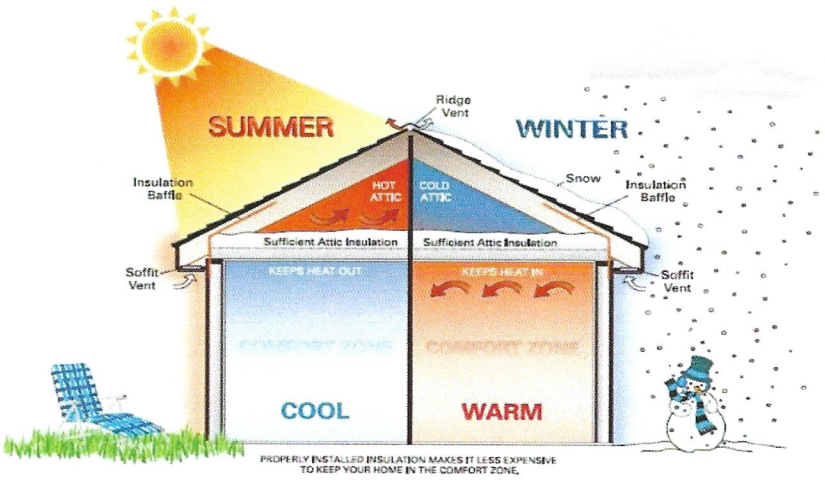
Multi Fiber
Natural Fiber Cellulose Insulation

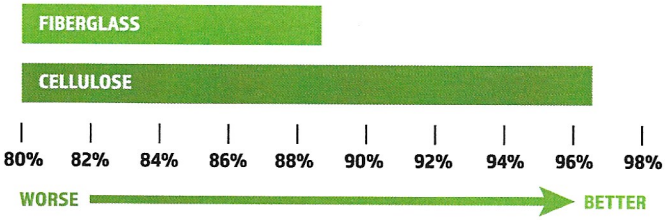
Multi Fiber

Precision Engineered for the Professional Installer



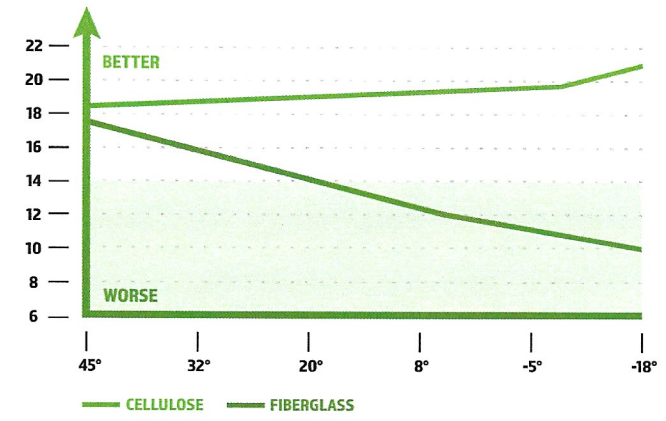
Benefits of MultiFiber Cellulose Insulation

R-Value Summer Performance



% R-Value Retained (at 110° F)
Source: Brookhaven National Laboratory"

R-Value Winter Performance



Outdoor Temperature (°F)
Source: Oak Ridge National Laboratory

***All Borate Formula**

*** Low Dust / No Trash or Foreign Material**

***Great Body and Buildup for Fast Install**

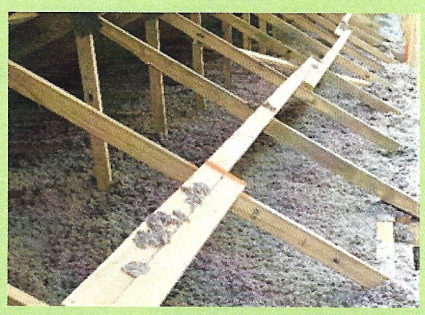
*** Outstanding Thermal Performance**

MultiFiber Cellulose for Any Climate

Cellulose Insulation has features proven by the past and all about the future :

- **Effective**
- **Natural**
- **Not a petrochemical derivative**
- **Created with a renewable resource**
- **A vital feature of low-carbon building practices.**

MultiFiber is centered on quality and reliability at every level- from our plant to each insulated home!



MultiFiber's Focus on Fulfillment:

Consistent, Quality Insulation Short Lead Times for Order Completion

On Time Deliveries to Customer Warehouse or Jobsite

Custom Technical Support Available

Code Compliant with a Product Warranty

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MultiFiber Cellulose Insulation can help buildings qualify for LEED® Green Building Rating System™ / Core & Shell Development and NAHB Green Building Credits

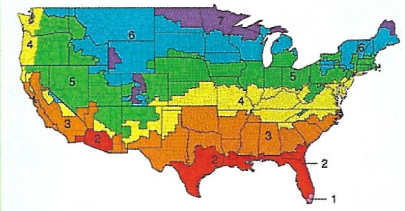
Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Rock Wool	Slag	--	75
Fiberglass	Glass Cullet	--	20-25
Cellulose Loose-Fill and Spray On	Postconsumer Paper	75	75
Perlite Composite Board	Postconsumer Paper	23	23

Product	Sub-Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastic Rigid Foam, Polyisocyanurate / Polyurethane	Rigid Foam	Plastics	--	75
	Foam in-Place	Plastics	--	20-25
	Glass Fiber Reinforced	Plastics/Glass	--	75
	Phenolic Rigid Foam	Plastics	--	
Plastic, Non-Woven Batt	--	Recovered and/ or Postconsumer Plastics	--	

Source : E.P.A. Recovered Material Advisory Notice

R-value recommendations for retrofitting existing wood-framed buildings

Climate Zones 1 2 3 4 5 6 7 8



Zone 1 includes Hawaii, Guam, Puerto Rico, and the Virgin Islands.

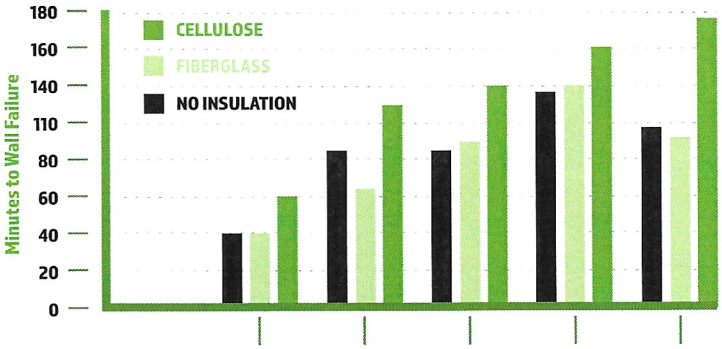
Zone 7 includes all of Alaska, except for the following boroughs in Zone 8: Bethel, Dillingham, Fairbanks N. Star, Nome, North Slope, Northwest Arctic, Southeast Fairbanks, Wade Hampton, Yukon-Koyukuk.

R-value Recommendations

Zone	Uninsulated Attic	Existing 3" to 4" Attic Insulation	Floor
1	R-30 to R-49	R-25 to R-30	R-13
2	R-30 to R-60	R-25 to R-38	R-13 to R-19
3	R-30 to R-60	R-25 to R-38	R-19 to R-25
4	R-38 to R-60	R-38	R-25 to R-30
5	R-49 to R-60	R-38 to R-49	R-25 to R-30
6	R-49 to R-60	R-38 to R-49	R-25 to R-30
7	R-49 to R-60	R-38 to R-49	R-25 to R-30
8	R-49 to R-60	R-38 to R-49	R-25 to R-30

Source: DOE Insulation Fact Sheet 2008

MultiFiber Safety



STUD TYPE	STEEL	STEEL	STEEL	STEEL	STEEL
STUD SIZE	2"x4"	2"x4"	2"x4"	2"x4"	2"x4"
STUD SPACING	24" OC	24" OC	24" OC	24" OC	16" OC
GYPSUM THICKNESS	1/2" x	1/2" Reg	1/2" x	1/2" x	1/2" x
GYPSUM LAYERS	1x1	2x2	1x2	2x2	1x2
RESILIENT CHANNEL	No	No	No	No	Yes

Source: Omega Point Laboratories

MultiFiber Cellulose Insulation is subject to the toughest ASTM combustion tests for building materials. In comparison tests, the fire retardancy of borate treated cellulose insulation has shown a better defense against the spread of fire in a burning structure.

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