



# GLASSFIBER

la solución en ahorro de energía

GF - BATT INSULATION 07210

09820

ROXUL AFB™

### General Product Information:

ROXUL® products are mineral wool fibre insulations made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL mineral wool is a water repellent yet vapour permeable material. It absorbs water only when water is pressed or forced into the material and once the pressure is relieved, the water will evaporate without any loss of integrity to the material's shape or insulating properties.

### Description & Common Applications:

ROXUL AFB (Acoustical Fire Batt) is a batt insulation product designed specifically for application in wall/floor systems where acoustical performance and fire resistance are the primary concerns. This noncombustible lightweight product has excellent acoustical dampening properties and is dimensionally stable which makes it ideal for friction fit into wall partitions and system applications from party walls to plant/manufacturing walls. The product is chemically inert which means that it will not promote corrosion. The AFB product comes in a number of thicknesses to meet the requirements of both retrofit and new construction applications.

### Compliance and Performance:

CAN/ULC-S702-97, Mineral Fibre Thermal Insulation for Buildings - Type 1, Complies.  
CAN/CGSB-51.10-92, Mineral Fibre Board Thermal Insulation - Type 2, Class 4, Complies.  
ASTM C 665, Mineral-Fiber Blanket Thermal Insulation - Type 1, Class A, Complies.  
ASTM C 553, Mineral Fiber Blanket Thermal Insulation - Complies.  
MEA Approval, New York City Approval - 338-97-M.  
City Of Los Angeles - approval RR 25444.  
ULC Design Nos. - U311, W406, W408, W419, W423, W440, W441, W442, W508, W600, Z500.  
UL Design Nos. - U305, U311, U317, U411, U412, U448, U465, V417, V418, V419.

### Fire Performance:

CAN4 S114, Test for Non-Combustibility - Non-Combustible.  
ASTM E 136, Behaviour of Materials at 750°C (1382°F) - Non-Combustible.  
CAN/ULC S102, Surface Burning Characteristics - Flame Spread = 0, Smoke Developed = 0.  
UL 723, Surface Burning Characteristics - Flame Spread = 0.  
(ASTM E 84), Smoke Developed = 0.  
CAN/ULC S 129, Smoulder Resistance - 0.09%.  
FMVSS 302, Motor Vehicle Safety Test Method - Passed.

### Acoustical Performance

ASTM E 90, Airborne Sound Transmission - Loss Tested.  
ASTM E 413, Rating Sound Insulation - Tested.  
ASTM C 423, Sound Absorption Coefficients - Tested.  
ASTM E 1050, Impedance and Absorption of Acoustical Materials - Tested.  
*(Please contact us for Rated Wall System Designs)*

### Corrosion Resistance:

ASTM C 665, Corrosiveness - Passed.  
ASTM C 795, For use with Austenitic Stainless Steel - No Reaction.  
ASTM C 871, Chemical Analysis - Passed.

### Thermal Performance

ASTM C 518 (C 177), R-value @ 75°F (24°C) 4.3/inch, RSI value @ 25.4 mm 0.76 m2K/W.

### Density:

Thickness £ 1.5" (40 mm) = 48 kg/m3 (3.0 lbs/ft3)  
Thickness <sup>3</sup> 2.0" (51 mm) = 40 kg/m3 (2.5 lbs/ft3)

### Dimensions:

24" (width) x 48" (length)  
610 mm (width) x 1220 mm (length)

1" through 6" in 1/2" increments (thickness)

*For additional sizes, please contact our customer service representatives.*

### Acoustical Performance:

ASTM C 423 CO - EFFICIENTS AT FREQUENCIES							
THICKNESS	125	250	500	1000	2000	4000	NRC
	Hz	Hz	Hz	Hz	Hz	Hz	
1.0"	0.14	0.25	0.65	0.90	1.01	1.01	0.70
1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85
2.0"	0.28	0.60	1.09	1.09	1.05	1.07	0.95



**Key Application Qualifiers:**

- Easily cut
- Non-combustible
- Excellent sound absorbency
- Chemically inert
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- Low moisture sorption
- Water resistant
- CFC and HCFC free product and process
- Made from natural & recycled materials

**Other ROXUL Products:**

Please consult ROXUL for all your insulation needs.

We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL invites all inquiries and will act promptly to service all of your requirements.

*Note:*

*As ROXUL Inc. has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warranty the performance or results of any installation containing ROXUL Inc's products. ROXUL Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.*

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<http://www.glassfiber.com>

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