

# AFB<sup>®</sup>

## Acoustical Fire Batt Insulation



ROCKWOOL AFB<sup>®</sup> is a lightweight, acoustical fire batt stone wool insulation specifically designed for steel stud and wood stud interior wall and floor applications. Its superior sound absorbency and fire protection contribute to the overall comfort and safety of occupants.

It provides increased density that reduces sound transmission. Greater noise control is further achieved when AFB<sup>®</sup> is part of the wall assembly along with gypsum boards and resilient channels.

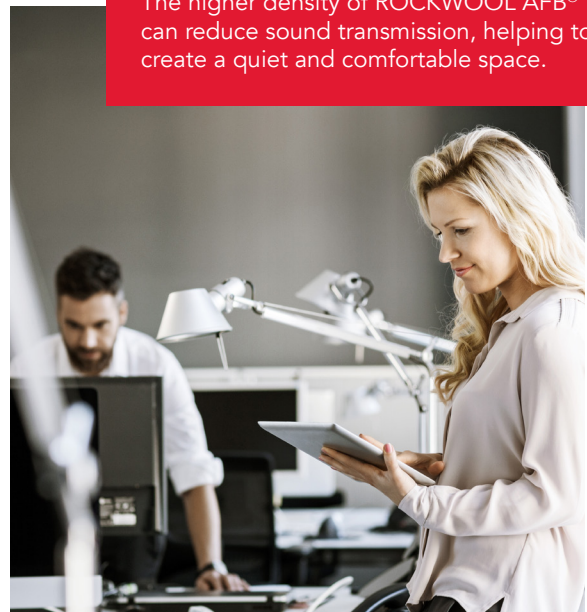
AFB<sup>®</sup> is non-combustible and will not develop toxic smoke or promote flame spread, even when directly exposed to fire. This helps to provide valuable extra time for people to reach safety and for fire services personnel to control the spread. It is a key component of fire-rated partitions.

AFB<sup>®</sup> comes in a number of thicknesses to meet the requirements of both retrofit and new construction applications.

Learn more at [rockwool.com](http://rockwool.com)

### Quiet Spaces

The higher density of ROCKWOOL AFB<sup>®</sup> can reduce sound transmission, helping to create a quiet and comfortable space.



**ROCKWOOL AFB® is a mineral wool batt insulation for interior partitions in commercial constructions where superior fire resistance and acoustical performance are required.**

	Performance	Test Standard							
Compliance	Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant	CAN/ULC S702							
	Mineral Fiber Blanket Thermal Insulation, Type 1 Compliant	ASTM C665							
	Mineral Fiber Blanket Thermal Insulation, Type 7 Compliant	ASTM C553							
	MEA Approval, New York City Approval	338-97-M							
	City of Los Angeles Approval	RR 25444							
Reaction to Fire	Flame spread index = 0; Smoke developed index = 0	ASTM E84 (UL 723)							
	Flame spread index = 0; Smoke developed index = 0	CAN/ULC S102							
	Determination of Non-combustibility of Building Materials - Non-combustible	CAN/ULC S114							
	Behavior of materials at 750°C - Non-combustible	ASTM E136							
	Smolder Resistance - 0.09%	CAN/ULC S129							
Nominal Density	> 2.5 lbs/ft <sup>3</sup> (>40 kg/m <sup>3</sup> )†	ASTM C303							
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed	ASTM C795							
	Corrosion of Steel - Passed	ASTM C665							
Air Erosion	Maximum Air Velocity - 1000 fpm (5.08 m/s)	UL 181							
Thickness Dimensions	1" through 4" (25.4 mm - 101.6 mm) in 1/2" increments as well as 5" (127 mm) and 6" (152.4 mm), 15.25" x 47" (387 mm x 1194 mm), 16" x 48" (413 mm x 1219 mm), 19.2" x 47" (470 mm x 1194 mm), 23" x 47" (584 mm x 1194 mm), 24" x 48" (610 mm x 1219 mm)								
	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	ASTM C423
Acoustical Performance	1.0"	0.14	0.25	0.65	0.9	1.01	1.01	0.7	
	1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85	
	2"	0.28	0.6	1.09	1.09	1.05	1.07	0.95	
	3"	0.52	0.96	1.18	1.07	1.05	1.05	1.05	
	4"	0.86	1.11	1.2	1.07	1.08	1.07	1.1	
	6"	1.11	1.28	1.15	1.06	1.03	1.01	1.15	ASTM E90
Please contact ROCKWOOL for STC ratings on tested wall assemblies									
Fire Rated Designs	ULC Classification Code: BZJZC								
	UL Classification Code: BZJZ								



For more information regarding the certifications and listings of our stone wool insulation products, please visit:

[rockwool.com/certifications-and-listings](http://rockwool.com/certifications-and-listings)

#### USA Specifications and Sizing

Issued 11/2022  
Supersedes 01/2018

NOTE: \*Master Format 1995 Edition \*\*Master Format 2004 Edition. As ROCKWOOL has no control over installation design and workmanship, accessory materials or application conditions, ROCKWOOL does not warrant the performance or results of any installation containing ROCKWOOL's products. ROCKWOOL'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.

†Density will change with thickness. Density is not a performance criteria but is commonly referred to when specifying insulation. Actual density is the true density of the insulation and Nominal density is the effective density of the insulation relative to a historic benchmark where the insulation contained 40% non-fibrous content also known as Shot (ASTM C612-99). Please contact ROCKWOOL for more information.

