

# AFB®

## Acoustical Fire Batt Insulation



ROCKWOOL AFB® 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® is part of the wall assembly along with gypsum boards and resilient channels.

AFB® is noncombustible 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® comes in a number of thicknesses to meet the requirements of both retrofit and new construction applications.

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

### Quiet Spaces

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



**ROCKWOOL AFB® is a stone wool batt insulation for interior partition walls and floor/ceiling installations 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								
Reaction to Fire	Flame Spread Index = 0; Smoke Developed Index= 0	ASTM E84 (UL 723) <sup>1</sup>								
	Flame Spread Rating = 0; Smoke Developed Classification = 0	CAN/ULC S102								
	Combustibility of Materials at 750 °C - Noncombustible	ASTM E136								
	Determination of Non-combustibility of Building Materials - Non-combustible	CAN/ULC S114								
	Smoulder Resistance - 0.04 wt%	CAN/ULC S129								
Nominal Density	> 2.5 lbs/ft³ (>40 kg/m³) <sup>†</sup>	ASTM C167								
Corrosion Resistance	Corrosiveness to 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), Wood studs: 15.25" x 47" (387 mm x 1194 mm), 23" x 47" (584 mm x 1194 mm) Steel studs: 16" x 48" (413 mm x 1219 mm), 24" x 48" (610 mm x 1219 mm)									
Acoustical Performance	Thickness (In.)	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	SAA	
	1	0.05	0.22	0.63	0.84	0.9	0.94	0.65	0.65	ASTM C423
	2	0.22	0.69	1.09	1.05	0.99	0.99	0.95	0.96	
	4	0.73	1.24	1.13	1.04	1.02	1.03	1.10	1.11	
	6	1.11	1.28	1.15	1.06	1.03	1.01	1.15	1.14	
	8	1.15	1.22	1.11	1.07	1.03	1.03	1.10	1.12	
	Please contact ROCKWOOL for STC ratings on tested wall assemblies									ASTM E90
Fire Rated Designs	ULC Classification Code: BZJZC UL Classification Code: BZJZ									