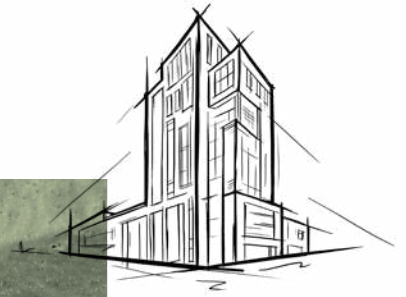# AFB®

Acoustical Fire Batt Insulation

ROCKWOOL AFB® is a lightweight, acoustical fire batt stone wool insulation specifically designed for steel 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.
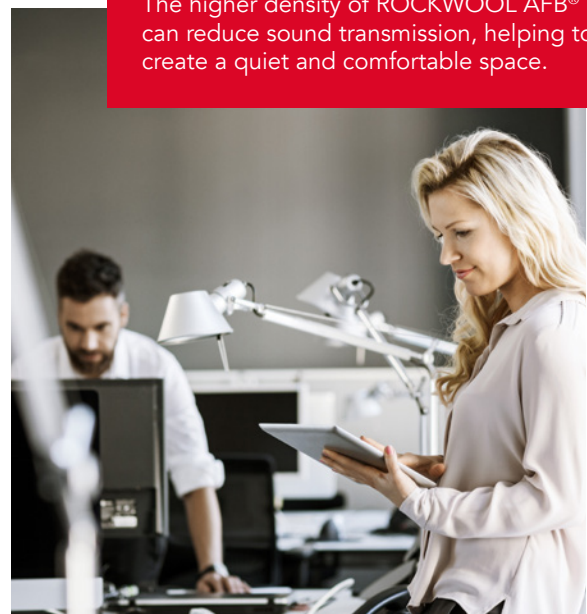
AFB® is non-combustible and will not develop toxic smoke or promote flame spread, even when directly exposed to fire. This helps to provide valuable extra time for people to reach safety and for fire services personnel to control the spread. It is a key component of fire-rated partitions.

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

Learn more at rockwool.com

Quiet Spaces

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

ROCKWOOL™

AFB®

Acoustical Fire Batt Insulation

Technical Data Sheet
Batt Insulation 07210 & 09820* • Blanket Insulation 07 21 16**
Acoustical Blanket Insulation 09 81 16**

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
Density	Actual Density at thicknesses ≥ 3" (76.2 mm) - 2.5 lbs/ft³ (40 kg/m³)	ASTM C303
	Actual Density at thicknesses < 3" (76.2 mm) - 2.8 lbs/ft³ (45 kg/m³)	
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) 16" x 48" (413 mm x 1219 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	
	Please contact ROCKWOOL for STC ratings on tested wall assemblies								ASTM E90
Fire Rated Designs	ULC Classification Code: BZJZC UL Classification Code: BZJZ								

ROCKWOOL™

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