

AFB® evo

Acoustical fire batt insulation



ROCKWOOL AFB® evo is a lightweight, acoustical fire batt stone wool insulation for steel stud interior wall and floor/ceiling applications. This insulation, manufactured using no-added formaldehyde binder, provides superior sound absorbency and fire protection that contribute to the overall comfort and safety of occupants. AFB® evo is an optimized solution for architects, specifiers, contractors and building owners interested in pursuing superior green building standards and requirements.

AFB® evo offers 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® evo is noncombustible and will not develop toxic smoke or promote flame spread, even when directly exposed to fire. AFB® evo comes in a number of thicknesses to meet the requirements of both retrofit and new construction applications.

Learn more at rockwool.com/afb

Greener building

ROCKWOOL AFB® evo is UL Validated as Formaldehyde Free and has a Red List Free Declare label.



AFB® evo

Acoustical fire batt insulation

Technical data sheet

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

ROCKWOOL AFB® evo is a no added formaldehyde stone wool batt insulation for interior partition walls and floor/ceiling installations in commercial constructions where superior fire resistance and acoustical performance is required. ROCKWOOL AFB® evo is UL validated to be Formaldehyde Free.

	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																																																												
Reaction to fire	Flame spread index = 0; Smoke developed index = 0	ASTM E84 (UL 723) ¹																																																												
	Flame spread rating = 0; Smoke developed classification = 5	CAN/ULC S102																																																												
	Behavior of materials at 750°C - Noncombustible	ASTM E136																																																												
	Determination of Non-combustibility of building materials - Non-combustible	CAN/ULC S114																																																												
Nominal density	2.5 lbs/ft ³ (40 kg/m ³)†	ASTM C167																																																												
Corrosion resistance	Corrosiveness to steel, copper and aluminum - Passed	ASTM C665																																																												
Reaction to moisture	Water vapor sorption - 0.00 vol%	ASTM C1104																																																												
	Water vapor transmission (3.02 in. thickness evaluated), desiccant method - 29 perm (1674ng/Pa.s.m²)	ASTM E96																																																												
	Determination of fungi resistance - Passed	ASTM C1338																																																												
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)																																																													
Acoustical performance	<table><tr><th rowspan="2">Thickness</th><th rowspan="2">NRC</th><th rowspan="2">SAA</th><th colspan="6">Sound absorption coefficients</th></tr><tr><th>125 Hz</th><th>250 Hz</th><th>500 Hz</th><th>1000 Hz</th><th>2000 Hz</th><th>4000 Hz</th></tr><tr><td>1.0"</td><td>0.65</td><td>0.65</td><td>0.05</td><td>0.22</td><td>0.63</td><td>0.84</td><td>0.90</td><td>0.94</td></tr><tr><td>2.0"</td><td>0.95</td><td>0.96</td><td>0.22</td><td>0.69</td><td>1.09</td><td>1.05</td><td>0.99</td><td>0.99</td></tr><tr><td>3.0"</td><td>1.10</td><td>1.11</td><td>0.42</td><td>0.90</td><td>1.22</td><td>1.12</td><td>1.08</td><td>1.07</td></tr><tr><td>4.0"</td><td>1.10</td><td>1.11</td><td>0.73</td><td>1.24</td><td>1.13</td><td>1.04</td><td>1.02</td><td>1.03</td></tr><tr><td>6.0"</td><td>1.15</td><td>1.14</td><td>1.11</td><td>1.28</td><td>1.15</td><td>1.06</td><td>1.03</td><td>1.01</td></tr></table>	Thickness	NRC	SAA	Sound absorption coefficients						125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	1.0"	0.65	0.65	0.05	0.22	0.63	0.84	0.90	0.94	2.0"	0.95	0.96	0.22	0.69	1.09	1.05	0.99	0.99	3.0"	1.10	1.11	0.42	0.90	1.22	1.12	1.08	1.07	4.0"	1.10	1.11	0.73	1.24	1.13	1.04	1.02	1.03	6.0"	1.15	1.14	1.11	1.28	1.15	1.06	1.03	1.01	ASTM C423
	Thickness				NRC	SAA	Sound absorption coefficients																																																							
		125 Hz	250 Hz	500 Hz			1000 Hz	2000 Hz	4000 Hz																																																					
	1.0"	0.65	0.65	0.05	0.22	0.63	0.84	0.90	0.94																																																					
	2.0"	0.95	0.96	0.22	0.69	1.09	1.05	0.99	0.99																																																					
	3.0"	1.10	1.11	0.42	0.90	1.22	1.12	1.08	1.07																																																					
	4.0"	1.10	1.11	0.73	1.24	1.13	1.04	1.02	1.03																																																					
6.0"	1.15	1.14	1.11	1.28	1.15	1.06	1.03	1.01																																																						
Contact ROCKWOOL for STC ratings on tested wall assemblies		ASTM E90																																																												
Fire-rated designs	ULC classification code: BZJZC																																																													
	UL classification code: BZJZ																																																													



Declare.



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

rockwool.com/certifications-and-listings

Issued 07-2026
Supersedes 11-2025

¹ Meets Class A requirements for flame spread and smoke-developed indices as per IBC.

[†] 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.

* 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 warranty 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.



8024 Esquesing Line, Milton, ON L9T 6W3
Tel: 800-265-6878 • Fax: 800-991-0110
rockwool.com