

## ROXUL AFB evo™

## Acoustical Fire Batt

### Product Description & Application

ROXUL AFB evo™ is a no added formaldehyde stone wool batt insulation for interior partitions in commercial constructions where superior fire resistance and acoustical performance is required. ROXUL AFB evo™ is UL validated to be Formaldehyde Free.

	Performance	Test Standard	
Compliance	Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant Mineral Fiber Blanket Thermal Insulation, Type 1 Compliant	CAN/ULC S702 ASTM C665	
Reaction to Fire	Flame spread index = 0 ; Smoke developed index = 0 Flame spread index = 0 ; Smoke developed index = 0 Determination of Non Combustibility of Building Materials - Non Combustible Behaviour of materials at 750°C - Non Combustible	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM E136	
Density	Actual Density at thicknesses ≥ 3" (76.2mm) - 2.5 lbs/ft³ (40 kgs/m³) Actual Density at thicknesses < 3" (76.2mm) - 2.8 lbs/ft³ (45 kgs/m³)	ASTM C303	
Corrosion Resistance	Corrosion of Steel - Passed	ASTM C665	
Thickness Dimensions	1" through 4" (25.4mm - 101.6mm) in 1/2" increments as well as 5" (127mm) and 6" (152.4mm) 16" x 48" (413mm x 1219mm), 24" x 48" (610mm x 1219mm)		
Acoustical Performance	Thickness		
	1.0"	125 Hz 0.14    250 Hz 0.25    500 Hz 0.65    1000 Hz 0.9    2000Hz 1.01    4000 Hz 1.01    NRC 0.7	ASTM C423
	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 ROXUL for STC ratings on tested wall assemblies	ASTM E90	
Fire Rated Designs	ULC Classification Code: BZJZC UL Classification Code: BZJZ		



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