

Safe'n'Sound®

Fire and Soundproofing Insulation



ROCKWOOL Safe'n'Sound® is a stone wool insulation for use in interior partitions of residential wood and steel stud construction where superior fire resistance and acoustical performance are required.

Withstanding temperatures up to 2150°F (1177°C), Safe'n'Sound® is non-combustible and will not produce toxic smoke or promote flames spreading, even when directly exposed to fire. This adds valuable extra time for people to reach safety and for fire services personnel to arrive.

Safe'n'Sound® has excellent acoustical dampening properties and provides an easy friction fit into walls, ceiling and floor applications. It is GREENGUARD Gold Certified and contributes to a healthier indoor environment.

Learn more at rockwool.com

A Quiet Space

A high density and unique fiber structure absorbs sound and reduces noise traveling from one room to another, improving occupant comfort.



Safe'n'Sound®

Residential Fire and Soundproofing Insulation

Technical Data Sheet

Batt Insulation 07210 & 09820*
Acoustic Blanket Insulation 09 81 16**

ROCKWOOL Safe'n'Sound® is a mineral wool batt insulation for interior partitions of wood and steel frame construction where superior fire resistance and acoustical performance is required.

	Performance	Test Standard							
Compliance	Mineral Fiber Blanket Thermal Insulation, Type 1 Compliant	ASTM C665							
	Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant	CAN/ULC S702							
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 - 2.4 lb/ft ³ (38 kg/m ³)	ASTM C167							
Thickness	Product is available in 3" (76 mm) and 6" (152 mm) thicknesses								
Dimensions	Wood Stud 16" (406 mm) on center: 15.25" x 47" (387 mm x 1194 mm)								
	Wood Stud 24" (610 mm) on center: 23" x 47" (584 mm x 1194 mm)								
	Wood Stud 19.2" (488mm) on center: 19.2" x 47" (488 mm x 1194 mm)								
	Steel Stud 16" (406 mm) on center: 16.25" x 48" (413 mm x 1219 mm)								
	Steel Stud 24" (610 mm) on center: 24.25" x 48" (616 mm x 1219 mm)								
System Testing	System Description	Sound Transmission Class (STC)	Fire Resistance						
	5/8" gypsum boards (type x) 3 5/8" steel studs spaced 24" OC 1 layer of 3" Safe'n'Sound® Steel Stud	52	1 hour						
	5/8" gypsum boards (type x) 2x4" wood studs spaced 16" OC 1 layer of 3" Safe'n'Sound® Wood Stud Resilient Channels spaced 16" OC	45	1 hour (non-loadbearing) 45 min (loadbearing)						
	2x10" Wood Joists spaced 16" OC 1 layer of 6" Safe'n'Sound® Wood Stud Resilient Channels spaced 24" OC 5/8" gypsum boards (type x)	50	30 minutes						
Acoustical Performance	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	ASTM C423
	3"	0.52	0.96	1.18	1.07	1.05	1.05	1.05	
	6"	1.11	1.28	1.15	1.06	1.03	1.01	1.15	



Issued 08-01-20
Supersedes 08-23-17

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 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