

ROXUL SAFE'n'SOUND®

Residential Fire and Soundproofing Insulation

Product Description & Application

ROXUL 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 Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant								ASTM C665 CAN/ULC S702																																
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 Smoulder Resistance - 0.09%								ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM E136 CAN/ULC S129																																
Density	Actual Density - 2.5 lb/ft³ (40 kg/m³)								ASTM C167																																
Thickness	Product is available in 3" thickness (76.2mm)																																								
Dimensions	Wood Stud 16" (406mm) on center: 15.25" x 47" (387mm x 1194mm) Wood Stud 24" (610mm) on center: 23" x 47" (584mm x 1194mm) Steel Stud 16" (406mm) on center: 16.25" x 48" (413mm x 1219mm) Steel Stud 24" (610mm) on center: 24.25" x 48" (616mm x 1219mm)																																								
System Testing	<table><tr><td>System Description</td><td colspan="3">Sound Transmission Class (STC)</td><td colspan="4">Fire Resistance</td></tr><tr><td>5/8" gypsum boards (type x) 3 5/8" steel studs spaced 24" OC ROXUL SAFE'n'SOUND Steel Stud</td><td colspan="3">52</td><td colspan="4">1 hour</td></tr><tr><td>5/8" gypsum boards (type x) 2x4" wood studs spaced 16" OC ROXUL SAFE'n'SOUND Wood Stud Resilient Channels spaced 16" OC</td><td colspan="3">45</td><td colspan="4">1 hour (non-loadbearing) 45 min (loadbearing)</td></tr><tr><td>2x10" Wood Joists spaced 16" OC 2 layers ROXUL SAFE'n'SOUND Wood Stud Resilient Channels spaced 24" OC 5/8" gypsum boards (type x)</td><td colspan="3">50</td><td colspan="4">30 minutes</td></tr></table>								System Description	Sound Transmission Class (STC)			Fire Resistance				5/8" gypsum boards (type x) 3 5/8" steel studs spaced 24" OC ROXUL SAFE'n'SOUND Steel Stud	52			1 hour				5/8" gypsum boards (type x) 2x4" wood studs spaced 16" OC ROXUL SAFE'n'SOUND Wood Stud Resilient Channels spaced 16" OC	45			1 hour (non-loadbearing) 45 min (loadbearing)				2x10" Wood Joists spaced 16" OC 2 layers ROXUL SAFE'n'SOUND Wood Stud Resilient Channels spaced 24" OC 5/8" gypsum boards (type x)	50			30 minutes				
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Acoustical Performance	Thickness 3"	125 Hz 0.52	250 Hz 0.96	500 Hz 1.18	1000 Hz 1.07	2000Hz 1.05	4000 Hz 1.05	NRC 1.05	ASTM C423																																



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ROXUL™

ROXUL INC
8024 Esquesing Line
Milton, On. L9T 6W3
tel: 800-265-6878
fax: 800-991-0110
www.roxul.com