

## 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/ft <sup>3</sup> (40 kg/m <sup>3</sup> )	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 border="1"> <thead> <tr> <th>System Description</th> <th>Sound Transmission Class (STC)</th> <th>Fire Resistance</th> </tr> </thead> <tbody> <tr> <td>5/8" gypsum boards (type x) 3 5/8" steel studs spaced 24" OC ROXUL SAFE'n'SOUND Steel Stud</td> <td>52</td> <td>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>45</td> <td>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>50</td> <td>30 minutes</td> </tr> </tbody> </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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