

General Product Information:

ROXUL® products are stone wool insulations made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL stone wool is a water repellent yet vapour permeable material.

Description & Common Applications:

ROXUL SAFE'n'SOUND™ is a stone wool insulation product for use in interior wall partitions of residential wood and steel stud construction where superior fire resistance and acoustical performance are required. This non-combustible lightweight product has excellent acoustical dampening properties and it is dimensionally stable which makes it ideal for friction fit into walls, ceiling and floor applications. The product is chemically inert, therefore it will not promote corrosion.

Compliance and Performance:

CAN/ULC-S702-97	Mineral Fiber Thermal Insulation for Buildings	Type 1, Complies
ASTM C 665	Mineral-Fiber Blanket Thermal Insulation	Type 1, Complies
CAN4-S114	Determination of Non-Combustibility	Non-Combustible
ASTM E 136	Determination of Non-Combustibility	Non-Combustible
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0
		Smoke Developed = 0
ASTM E 84 (UL 723)	Surface Burning Characteristics	Flame Spread = 0
		Smoke Developed = 0
CAN/ULC S129	Smoulder Resistance	0.09 %

System Description	Sound Transmission Class (STC)	Fire Resistance
5/8" gypsum boards 3-5/8" steel studs spaced 24" centers ROXUL SAFE'n'SOUND	52	1 Hour
5/8" gypsum boards 2"x4" wood studs spaced 16" centers ROXUL SAFE'n'SOUND Resilient channels spaced 16" centers	45	1 Hour (non-loadbearing) 45 min (loadbearing)

Above results are based upon testing using Type X gypsum board.
For additional designs, please contact ROXUL Technical Services.

Acoustical Performance:

	Thickness	ASTM C 423 CO-EFFICIENTS AT FREQUENCIES						NRC
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
ROXUL SAFE'n'SOUND	3"	0.52	0.96	1.18	1.07	1.05	1.05	1.05

Dimensions:

Steel Stud:

3" x 16.25" x 48"
76 mm x 413 mm x 1219 mm
With flexible edges

3" x 24.25" x 48"
76 mm x 616 mm x 1219 mm
With flexible edges

Wood Stud:

3" x 15.25" x 47"
76 mm x 387 mm x 1194 mm
With flexible edges

3" x 23" x 47"
76 mm x 584 mm x 1194 mm
With flexible edges

Density:

2.5 lb/ft³ 40 kg/m³

Key Application Qualifiers:

- Easily cut
- Non-combustible
- Fire resistant (due to its high melting temperature)
- Excellent sound absorbency
- Chemically inert
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- Low moisture sorption
- Water resistant
- CFC- and HCFC- free product and process
- Made from natural & recycled materials



Other ROXUL Products:

Please consult ROXUL for all your insulation needs. We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL invites all inquiries and will act promptly to service all of your requirements.

Note:

As ROXUL Inc. has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warranty the performance or results of any installation containing ROXUL Inc's. products. ROXUL Inc'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.

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