



Roxul SAFE®

Roxul SAFE® is a light-weight, semi-rigid stone wool batt insulation that provides fire resistance and sound control.

Applications:

This product is designed for **commercial, industrial, and residential buildings as a fire stopping insulation**. Ideal for filling:

- Perimeter gaps** between concrete floor slabs and exterior wall systems
- Around **conduit pipe and duct openings** through walls and floor slabs
- Between fire walls and ceiling slabs**

Roxul SAFE® is used **in conjunction with a fire sealant** to prevent passage of fire and smoke.

Properties:

- Non-combustible** stone wool insulation with melting point of approx. 1177°C (2150°F)
- Does not promote smoke or flame spread** when exposed to flame
- Minimal shrinkage to maintain critical line of defense against fire**
- Low thermal conductivity**
- Water and moisture resistant**; does not absorb moisture to maintain insulating value
- Does not rot**, promote mildew, fungi, or bacteria, or sustain vermin
- Can be faced with **reinforced foil facings**
- Earns LEED® points** – talk to Roxul's LEED® Accredited Professional

Technical Data:

Compliance and Performance:

CAN4 - S115M	Standard Test Method of Firestop Systems	Complies
ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVA, Complies
MEA Approval	New York City Approval	339-97-M
City Of Los Angeles Approval		RR 25444
ULC Design Nos.	Consult UL Directory for numerous approved fire-rated joint systems, through penetration designs and curtain wall design listings, or contact Roxul for further more information	

Fire Performance:

CAN4 S114	Test for Non-Combustibility	Non-Combustible
ASTM E 136	Behavior of Materials at 750°C (1382°F)	Non-Combustible
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
ASTM E84 (UL 723)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0

Smolder Resistance:

CAN/ULC S129	Smolder Resistance	0.01%
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Moisture Resistance:

ASTM C 1104	Moisture Sorption	0.04%
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Corrosive Resistance:

ASTM C 665	Corrosiveness to Steel	Pass
ASTM C 795 ****	Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C)	Conforms

Acoustical Performance:**ASTM C423****CO-EFFICIENTS AT FREQUENCIES**

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2.0"	0.26	0.68	1.12	1.10	1.03	1.04	1.00
3.0"	0.63	0.95	1.14	1.01	1.03	1.04	1.05
4.0"	1.03	1.07	1.12	1.04	1.07	1.08	1.10

Compressive Strength:

ASTM C 165	at 10%	144 psf (6.9 kPa)
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Density:

ASTM C 612-00 Actual	4.5 lbs/ft ³	72 kg/m ³
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Dimensions:

24" (width) x 48" (length) [610 mm (width) x 1219 mm (length)]

Thickness:

Product thickness is available in 2", 3", and 4".

For complete technical data, please consult our [Technical Library](#).

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