

General Product Information:

ROXUL[®] products are mineral wool fibre 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 mineral wool is a water repellent yet vapour permeable material.

Description & Common Applications:

ROXUL SAFE[®] product is a non-combustible, lightweight and water repellent semi-rigid insulation batt that provides fire stopping and acoustical insulation properties. Specifically engineered and produced for use in commercial, industrial and residential buildings as fire stopping material, SAFE can be used for applications such as:

- 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.

This product has excellent fire performance properties, such as high melt temperature and low thermal conductivity which means the insulation acts as a shield against fire and temperature. In addition, ROXUL products are subject to very little shrinkage in the critical phase of a fire, so the insulation layers remain in place to better prohibit the spread of flame.

SAFE is intended to be used in conjunction with a fire sealant to prevent the passage of fire and smoke.

Compliance and Performance:

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
UL Design Nos. -	Consult UL Directory for numerous approved fire rated joint systems (FF, FW, HW, and WW) and through penetration designs or contact Roxul Technical Services Department for more information.	

Curtain Wall Designs - CW-S-1004, CW-S-1005, CW-S-1008, CW-S-1009, CW-S-1011, CW-S-1012, CW-S-1013, CW-S-1014, CW-S-2004, CW-S-2005, CW-S-2007, CW-S-2009, CW-S-2010, CW-S-2011, CW-S-2012, CW-S-2013, CW-S-2015, CW-S-2016, CW-S-2017, CW-S-2018, CW-S-2019, CW-S-2020, CW-S-2024, CW-S-2027, CW-S-2028, CW-S-2029, CW-S-2030, CW-S-2031, CW-S-2032, CW-S-2037, CW-S-2038, CW-S-2042, CW-S-2043, CW-S-2053, CW-S- 2054, CW-S-2057, CW-D-2004, CW-D-2007, CW-D-2014, CW-D-2015, CW-D-2016, CW-D-2017, CW-D-2018, CW-D-2019, CW-D-2025, CW-D-2026, CW-D-2027, CW-D-2028, CW-D-2029, CW-D-2030, CW-D-2031, CW-D-2032, CW-D-2033

Acoustical Performance:

Thickness	ASTM C423						NRC
	CO-EFFICIENTS AT FREQUENCIES						
	125	250	500	1000	2000	4000	
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

ROXUL®SAFE (U.S.A.)

Fire Performance:

ASTM E 814	Standard Test Method for Fire Tests of Through-Penetration Fire Stops	Passed
ASTM E 136	Behaviour of Materials @ 750 C (1382 F)	Non-Combustible
ASTM E 84(UL 723)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed=0

Moisture Resistance:

ASTM C 1104	Moisture Sorption	0.04%
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Corrosion Resistance:

ASTM C 665	Corrosiveness To Steel	Passed
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

Stability and Flame Passage Testing:

Time-temperature Curve Exposure based upon ASTM E 119

• 2" opening between horizontal concrete slabs	4 hours and 30 minutes
• 4" opening between horizontal concrete slabs	4 hours and 30 minutes
• 6" opening between horizontal concrete slabs	4 hours and 30 minutes

Density:

ASTM C 303	4.5 lbs/ft ³
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Compressive Strength:

@ 10%: 144 psf (6.9 kPa)

Dimensions:

24" (width) x 48" (length)

1.5" through 6" (thickness)

For additional sizes, please contact our customer service representatives.

Facings:

This product can be faced with reinforced foil facings.

Please note that the facings will influence the product's service temperature range.

Key Application Qualifiers:

- Non-combustible
- Melt temperature approximately 2150°F (1177°C)
- Fire resistance
- Easy to handle
- Low moisture sorption
- Non-corrosive
- Chemically inert
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- 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.



* "Provisions for lot testing may be required, consult manufacturer."

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.

ROXUL INC. 551 Harrop Drive, Milton, Ontario L9T 3H3 Tel: 905 878-8474 Fax: 905 878-8077
www.roxul.com Sales Office - Tel: 1-800-265-6878, Fax: 1-800-991-0110

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