Technical Data sheet

Curtain wall - Perimeter Insulation System

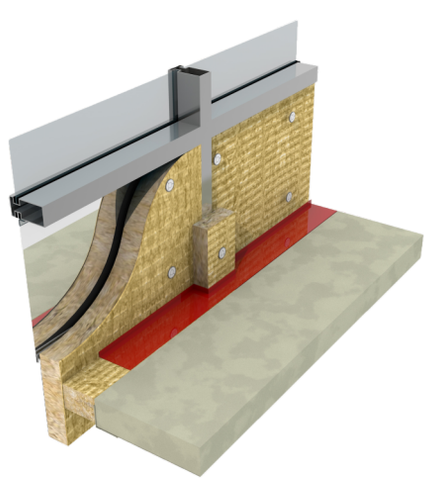


General Product Information: ROCKWOOL stone wool products are made of basalt, a volcanic stone. ROCKWOOL stone wool products are non-combustible with a melting point approximately 1000°C. They are particularly suitable for thermal insulation, fire protection and sound reduction or absorption. ROCKWOOL stone wool is inorganic and contains no nutritious substance for fungi formation.

Application:

ROCKWOOL Curtainrock® 80 is a lightweight, semirigid stone wool insulation board designed to provide enhanced fire protection in curtain wall and perimeter fire containment systems. These products are noncombustible and fire resistant and will not develop smoke or promote flame spread when exposed to fire.

ROCKWOOL ROXUL Safe® is a lightweight, semi-rigid stone wool insulation that provides fire-stopping and acoustical properties. It is designed to fill perimeter gaps between concrete floor slabs and exterior wall systems, between firewalls and ceiling slabs, and around conduit pipes and duct openings through walls and floor slabs.



It is non-combustible and fire resistant, and will not develop toxic smoke or promote flame spread, even when exposed directly to a fire. ROCKWOOL ROXUL Safe® is used along with ROCKWOOL Curtainrock®, it provides a comprehensive fire-stopping system tested and approved for perimeter fire containment systems.

Packaging and Storage

ROCKWOOL Stone wool slabs are shrink-wrapped in polyethylene sheets for ease of handling, transportation, storage and identification. Products should be stored indoors or under waterproof covering.

Technical Parameters

Product Parameters	ROCKWOOL Curtainrock 80	ROCKWOOL ROXUL Safe	Standards
*Thermal Conductivity (@ 20°C) (W/mK)	≤ 0.038	≤ 0.038	ASTM C518
R - Value (m2K/W)	1.35	1.32	At 50mm Nominal Thickness
Fire Performance	Flame spread Index = 0 Smoke Spread Index = 0	Flame spread Index = 0 Smoke Spread Index = 0	ASTM E84 UL 723
Water Absorption (Kg/m2) (Partial Immersion, Short Term)	≤ 1	≤ 1	EN ISO 29767
Moisture Absorption (%, by volume)	≤ 0.2	≤ 0.2	ASTMC1104 C1104M-19
Melting Point (°C)	> 1000	> 1000	ASTM E794
Thickness (mm)*	50,75,100		EN ISO 29466
Application	Fire rated joints of perimeter fire containment systems.		

Note-: *Best typical values achieved during test conducted on one random batch.
*For availability of other custom thicknesses please contact local sales representative.



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Disclaimer: The information contained in this brochure is believed to be correct at the date of publication. ROCKWOOL does not accept responsibility for the consequences of using this document in applications different from those described above.

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