

ROCKWOOL Safe 'n' Silent™ Pro



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. Therefore it will not be attacked by microorganisms. Stone wool will not rot and does not attract vermin.

No CFCs, HFCs, HCFCs, or asbestos are used in the manufacture of ROCKWOOL stone wool products.

Applications

ROCKWOOL Safe 'n' Silent Pro is designed and manufactured to achieve excellent acoustic insulation performance in all types of drywall partition configurations. It is recommended to be used for drywall partition applications in hospitals, cinemas, schools, offices, residential and industrial buildings.

Safe 'n' Silent Pro meets the requirements of Noise Criteria (NC) specifications developed by the ROCKWOOL company. NC comprehensively measures the noise levels of a room and with the use of NC ratings, recommends the desired acoustic comfort level of a room/space.

Facings

Optional facing with one or two sided glass tissue is available upon request for perforated wall panel.

For more information, please contact your local representatives.

Packaging and Storage

ROCKWOOL Safe 'n' Silent Pro is shrink-wrapped in polyethylene sheets for ease of handling, transportation, storage and identification.

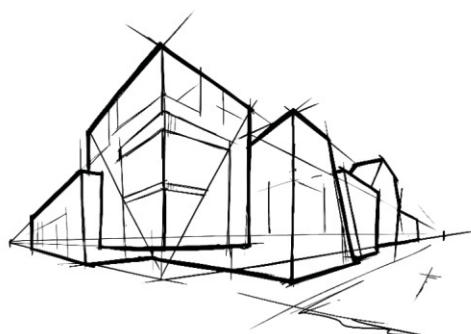
Products should be stored indoors or under waterproof covering.

Technical Parameters

Product Name	Safe 'n' Silent Pro331	Safe 'n' Silent Pro350	Safe 'n' Silent Pro370	Safe 'n' Silent Pro380	Standards
Noise Absorption Co-efficient at 50mm (NRC)	0.90	1.00	1.00	1.00	EN ISO 354 / ASTM C 423-01
Fire Performance	Non-combustible / A1 Fire Classification	Non-combustible / A1 Fire Classification	Non-combustible / A1 Fire Classification	Non-combustible / A1 Fire Classification	EN13501-1
Melting Point	More than 1000°C	More than 1000°C	More than 1000°C	More than 1000°C	ASTM E794
*Thermal Conductivity 20°C λ Value (W/mK)	0.036	0.035	0.034	0.033	ASTM C518
R-value at 50mm thickness thickness (m²K/W) Water	1.389	1.429	1.471	1.515	
Water Absorption (partial immersion)	1.0kg/m²	0.5kg/m²	0.5kg/m²	0.5kg/m²	EN1609.97
Water Vapor Absorption	Less than 0.04 Vol %	Less than 0.04 Vol %	Less than 0.04 Vol %	Less than 0.04 Vol %	ASTM C1104/ C1104M
Thickness	50, 75, 100mm	50, 75, 100mm	50, 75, 100mm	50, 75, 100mm	EN822
Applications	Recommended for commercial applications such as retail and office partition walls	Recommended for all drywall partition applications	Recommended for dry wall with high acoustic insulation requirement	Recommended for drywall with high acoustic & fire insulation requirements	

* Thermal conductivity values are based on testing conducted in external accredited laboratory in accordance to ASTM C518 : 1991. Test reports are available upon request. For design, it is recommended to use a safety factor of 20% as design value.

* For UL approved products, please contact our local representative.



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Disclaimer: The information contained in this data sheet is believed to be correct at the date of publication. ROCKWOOL does not accept responsibility for the consequences of using Safe 'n' Silent Pro in applications different from those described above.