



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 of approximately 1000°C. They are particularly suitable for thermal insulation, fire protection and sound reduction/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.



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Safe'n'Silent™ Pro

Recommended 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.

Technical Parameters

| Product Name | Safe'n'Silent Pro330 | Safe'n'Silent Pro350 | Safe'n'Silent Pro370 | Standards |
|---|--|--|---|----------------------------|
| Density (kg/m ³) | 40 | 60 | 80 | EN 1602 |
| Noise Absorption Co-efficient at 50mm (NRC) | 0.90 | 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 | EN13501-1 |
| Melting Point | 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 | ASTM C518 |
| R-value at 50mm thickness (m ² K/W) Water Absorption (partial immersion) | 1.389 | 1.429 | 1.471 | EN1609.97 |
| Water Vapor Absorption | 1.0kg/m ² | 0.5kg/m ² | 0.5kg/m ² | EN1609.97 |
| Dimension (Length x Width) | Less than 0.04 Vol % | Less than 0.04 Vol % | Less than 0.04 Vol % | ASTM C1104/C1104M |
| Thickness | 1200mm x 600mm | 1200mm x 600mm | 1200mm x 600mm | EN822 |
| Applications | 50, 64, 75, 90mm | 50, 64, 75, 90mm | 50, 64, 75, 90mm | EN 822 |
| | Recommended for drywall partition and ceiling applications where some acoustic performance are required. Such as office & commercial environment | Recommended for most drywall partition & ceiling application with more acoustic performance need | Recommended for high acoustic performance & higher fire resistance applications | |

* 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.



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.

■ Distribution by



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