

Rock Wool Blanket

RS Flexible, fire-resistant, and high-performance insulation batts-engineered to fit perfectly between studs.

Application

Specifically engineered for Southeast Asia's hot and humid climate, our rock wool blankets undergo specialized processing to achieve exceptional hydrophobic properties. Even during the rainy season or in high-humidity environments, they maintain structural integrity and prevent performance degradation caused by moisture penetration.



Product properties in accordance with ASTM C592

Property	Performance	Test standard
Thermal conductivity	≤0.039 - 0.044 W/m.K (at 25 °C)	ASTM C518
Maximum use temperature	1200 °F (650 °C)	ASTM C411
Sag resistance	≤ 2% at 1200 °F (650 °C)	ASTM C411
Linear shrinkage	≤ 2% at 1200 °F (650 °C)	ASTM C356
Reaction to Fire	Class A1 Non-combustible	EN 13501 / ASTM E84
Corrosion resistance	Stress corrosion cracking tendency of austenitic stainless steel = passed Chemical analysis (Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻): results fall within acceptability limits of ASTM C795 Trace quantities of water soluble chloride ions: ≤ 10 ppm	ASTM C692 / C795 ASTM C871 / C795 EN 13468 / ISO 12624
Corrosion to steel	MCLR ²⁾ of steel when exposed to insulation extract plus 600 ppm chloride ≤ DI Water ³⁾ MCLR ²⁾ of steel when exposed to extract from insulation that is pre-heated to 482 °F (250 °C) for 24hrs ≤ DI Water ³⁾ Protection efficiency value = 0.1 ⁴⁾	ASTM C1617 ASTM C1617 ASTM G189 ⁵⁾
Water Repellency	≥98%	ASTM C1104 / C1511
Vapor sorption	< 1% weight	ASTM C1104
Density ⁶⁾	60 - 100 kg/m ³ (Customizable)	ASTM C592

All values are nominal values for standard industrial production. Standard industrial production tolerances applicable.

Compliance

- RS Rock Wool Blanket fully complies with the requirements as set by internationally recognized standards like ASTM C592 (Type I, II, III), CINI 2.2.01, and EN 13162.
- Sound absorption and noise reduction data are available in accordance with ISO 354 and ISO 11654.
- RS stone wool insulation is made from volcanic rock and is not classified as a hazardous substance in accordance with Note Q, regulation (EC) No. 1272/2008.

Disclaimer

As RS has no control over insulation design and workmanship, accessory materials or applications conditions, RS does not warranty the performance or result of any installation containing RS products. RS overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose. RS Technical Insulation reserves the right to make necessary product changes at any time. Technical specifications are thus stated subject to change.

