



DESCRIPTION

The product is made out of molten basalt rocks spun into fine fibers and bonded with a thermosetting binder to form rigid Rockwool slabs. The material provides excellent thermal insulation (reduces heat transfer), fire resistance (prevents flame spread), and acoustical performance (absorbs sound). It complies with ASTM C612 requirements

TECHNICAL INFORMATION

Property	Value	Standard
Thickness	50 mm	—
Density	50 kg/m ³	ASTM C303
Facing	None	—
ASTM Classification	Type IVA	ASTM C612
Thermal Conductivity (at 24°C)	0.036 W/m·K	ASTM C177
Thermal Resistance (R-Value)	1.39 m ² ·K/W	ASTM C518
Maximum Use Temperature	750 °C	ASTM C411
Rigidity	Rigid	ASTM C1101
Color	Yellowish	Visual
Compressive Resistance at 10% Deformation	4 kPa	ASTM C165
Shot Content	< 25% (by weight)	ASTM C612
Corrosiveness	Non-corrosive	ASTM C871 / ASTM C795
Water Vapor Sorption	< 1% (by weight)	ASTM C1104
Water Vapor Resistance	Z > 3 (m ² ·hPa/mg)	ASTM E96
pH	7–9	BS 2972 Section 22

Flame Spread Index	0	UL 723 / ASTM E84
Smoke Developed Index	0	UL 723 / ASTM E84
Combustibility	Non-combustible	EN ISO 1182:2010
Reaction to Fire Classification	A1	EN ISO 13501-1:2007
Fungi Resistance	Does not encourage fungi growth	ASTM C665
Noise Reduction Coefficient (NRC)	1	ASTM C423