

## DATA SHEET

Material	ROCKAL Board Insulation (LDB70)
Details	70kg/m <sup>3</sup> Density; 50mm Thickness; KCL

ROCKAL Rockwool boards are composed of mineral rock fibers, processed from volcanic basaltic rocks. Fibers are bonded together with a thermosetting binder which gives flexibility and resilience to the product.

It can be used as thermal and acoustical insulation and a fire barrier used in commercial, industrial, and residential buildings.

### Description

Thickness (mm)	Density (kg/m <sup>3</sup> )	Facing	ASTM Classification
50	70	KCL	ASTM C-612

Density	70 (kg/m <sup>3</sup> )	ASTM C-303
Nominal Thermal Conductivity @50 °C mean)	0.038 (W/mK)	ASTM C-767
Thermal Resistance (R)	1.32 (M <sup>2</sup> K/W)	EN 12667
Service Temp (Hot Side)	400 °C to 750 °C	ASTM C-411
Water Vapor Sorption	<1% (By weight, water repellant, Non-Hygrosopic)	ASTM C-1104
Combustibility	Non Combustible	E-136
Fungi Resistance	Doesn't encourage fungi growth	-
Color	Brown	Visual
Noise Reduction Coefficient (NRC)	0.85	ASTM C-423
Corrosiveness	Non-corrosive	ASTM C-692
Flame spread	≤10	ASTM E84
Smoked Developed	≤25	ASTM E84

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