

## DATA SHEET

Material	ROCKAL Board Insulation (LDB50)
Details	50kg/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	50	KCL	ASTM C-612

Density	50 (kg/m <sup>3</sup> )	ASTM C-303
Nominal Thermal Conductivity (@50 °C mean)	0.04 W/mK	ASTM C-767
Thermal Resistance	1.25 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)	0.96	ASTM C-423
Corrosiveness	Non-corrosive	ASTM C-692
Flame spread	≤ 25	ASTM E84
Smoked Developed	≤ 10	ASTM E84