

Data Sheet

Material	Burkani Rockwool Slabs			
Code	ARW.SL.d _N 50.p50.N			
Description	Thickness (mm)	Density (Kg/m³)	Facing	ASTM Classification
	50	50	None	Type IVB

The product is made up of molten natural volcanic basalt rocks spun into fine fibers like structure and bonded with heat resistant thermosetting binder forming rigid rockwool slabs (boards). The material has good thermal, acoustical, and fire resistance properties it complies with the requirements of ASTM C612 and SASO GSO EN13162/2014 with the following specifications:

Characteristics	Performance	Standard
Thermal conductivity, max at 24 °C (W/m°C)	0.038	ASTM C518
Thermal Resistance, R value (m² °C/W)	1.316	ASTM C518
Max. use temperature (°C)	750	ASTM C411
Shot Content (%)	<25	ASTM C1335
Rigidity	Rigid	ASTM C1101 / C1101M
Compressive Resistance @ 10% def. (kPa)	4	ASTM C165
Corrosiveness to steel, copper, & aluminum	Non-corrosive	ASTM C871 & ASTM C795
Water Vapor Sorption (Weight %)	<1	ASTM C1104
Short Term Water Absorption (Kg/m²)	<0.5	EN1609
Long term Water Absorption (Kg/m²)	<2	EN12087
Water Vapor Diffusion Resistance factor (μ)	>3	EN12086
pH	8-9	BS2972
Flame spread index	0	UL 723/ ASTM E84
Smoke developed	0	UL 723/ ASTM E84
Fire behavior	Pass	ASTM E136 & EN1182
Euro class fire classification	A1 (Non-combustible)	EN 13501
Fungi Resistance	Does not Encourage Fungi Growth	ASTM C1338
Noise Reduction Coefficient (NRC)	0.85	ASTM C423

