

Rockwool Technical Data

Product SITEK Rockwool	Maximum Service Temp(deg C)	Nominal Density	Thermal Conductivity (W/m. K)					Sound Absorption Coefficients					Compliance with Standards			
			Mean Temperatures deg C					Frequency (Hz)					British Standards	ASTM Standards	JIS Standards	
			20	100	200	300	400	250	500	1000	2000	4000				
Slabs																
S40	250	40	0.036	0.054				0.56	0.90	0.88	0.85	0.88	BS3958	C533-70 Type 11		
S60	350	60	0.034	0.051	0.074	0.104		0.70	1.19	1.04	1.14	1.06	BS3958	C612-83 Class 2		
S80	450	80	0.034	0.049	0.069	0.094	0.123	0.91	1.19	1.20	1.07	1.05	BS3958	C612-83 Class 3		
S100	650	100	-	0.046	0.064	0.088	0.115	0.97	1.18	1.00	1.04	1.02	Pt5-1982	C612-83 Class 4	JIS A 9504 84	
S120	750	120	-	0.051	0.065	0.085	0.113	0.74	1.20	1.20	0.98	1.14	Pt5-1982	C612-83 Class 4	JIS A 9504 84	
Faced Slabs																
FS60	350	60	0.034	0.051	0.074	0.104		0.70	1.19	1.04	1.14	1.06	Pt5-1982	C612-83 Class 2		
FS80	450	80	0.034	0.049	0.069	0.094		0.91	1.19	1.20	1.07	1.05	Pt5-1982	C612-83 Class 2		
Repellent Slab																
RS120	750	120	-	0.051	0.065	0.085	0.113	0.74	1.20	1.20	0.98	1.14	BS3958	C612-83 Class 4	JIS A 9504 84	
Hig-Tempe.Slab																
HTS150	820	150	-	0.045	0.064	0.094	0.115	0.74	1.20	1.20	0.98	1.14	Pt3-1982	C612-83 Class 4	JIS A 9504 84	
Mats																
M40	250	40	0.036	0.054				0.56	0.90	0.88	0.85	0.88	BS3958	C533-70 Type 11		
M60	350	60	0.036	0.051	0.074	0.104		0.70	1.19	1.04	1.14	1.06	Pt3-1982	C612-83 Class 2		
Faced Mats																
FM60	350	60	0.036	0.051	0.074	0.104		0.70	1.19	1.04	1.14	1.06	BS3958	C612-83 Class 2		
FM80	450	80	0.034	0.049	0.069	0.094	0.123	0.91	1.19	1.20	1.07	1.05	Pt4-1982	C612-83 Class 3		
Wired Mats																
WM60	350	60	0.036	0.051	0.074	0.104							BS3958	C592 Class 1		
WM80	450	80	0.034	0.049	0.069	0.094	0.123						Pt3-1982	C592 Class 1		
WM100	650	100	-	0.05	0.066	0.09	0.115							C592 Class 2	JIS A 8504 84	
WM120	750	120	-	0.051	0.065	0.085	0.113							C592 Class 2	JIS A 9504 84	
Pipe Section																
PS125	750	125	-	0.049	0.06	0.079	0.112							C548 Class 3	JIS A 9504 84	
PS150	750	150	-	0.048	0.059	0.074	0.103							C547 Class 3	JIS A 9504 84	
Faced Section																
FPS125	650	120	-	0.049	0.06	0.079	0.112							C547 Class 3	JIS 9504 84	
Loose Wool	750	80	0.034	0.047	0.065	0.089	0.117						BS3958	C746-73 Class A		
Granulated Wool	750	100	0.034	0.047	0.067	0.094	0.125						Pt4-1982	C746-73 Class A		

Common Properties for SITEK Rockwool

Fire Resistant: Sitek Rockwool is non combustible when tested according to ASTM E - 136-82/BS 476 P4 1970/DIN4102.

Early Fire Hazard Indices: Ignitability:0; Spread of Flame: 0; Heat Evolved: 0; Smoke Developed: 0; Fusion Temperature: in excess of 1150 deg C

Chemical Neutrality: Sitek rockwool is chemically neutral. It will neither cause nor promote corrosion, It meets the requirements of the standard specification for use over austenitic.

stainless steel ASTM C 795-77 when measured according to standard methods ASTM C 692-77 (corrosion test) and ASTM C 871-77 (chemical analysis).

Sound Absorption: Sound absorption coefficients are based on 50mm thick measured in reverberation chamber in accordance with BS 3638-1987.

Moisture Resistant: Unaffected by moisture and high humidity. Completely Asbestos Free. Vermin Resistant. Fungi Resistant.