Rockwool Slab specification

Technical Data Sheet

Material Composition:	Stone wool slab insulation is manufactured from mineral Substance such as rock, processed from a molten stateinto fibrous form with binder. Free from asbestos.
Nominal Density:	48 kg/m3 (±10%)
Thermal conductivity	As per ASTM STD C612
Facing:	UNFACED/FSK
Dimension	
(a) Length:	1.0 – 1.2 m (±12.7 mm)
(b) Width:	0.60 m ((± 6.4 mm)
(c) Thickness:	50 (- 3.2 mm, + 6.4 mm)
Compressive Strength:	Min. 1.2 kPa
Maximum Service temperature:	750 °C
Surface Burning Characteristics	
(a) Flame Spread index:	< 25
(b) Smoke developed index:	< 50
Linear shrinkage:	Max. 2%
Alkalinity pH:	7 - 10
Water vapor sorption:	Max. 5%
Corrosiveness to Steel:	No Corrosion
Fungi Resistance:	Do not promote fungi growth
Non-fibrous (shot) Content:	Less than 25%

Stress Corrosion to Austenitic Stainless Steel: No Cracking observed

Standard Compliance: ASTM C 612

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1	Product	Rock Wool Slab
2	Material Composition	Molten mineral rock processed to fibrous material, bonded and compressed with thermosetting Phenolic Resin and Material is free from Asbestos
3	Density	48 Kg/m^3 (Tolerances: ±15%)
4	Dimension	-
	(a) Length mtrs	1.00 – 1.20 m (Tolerances: - ½ %)
	(b) Width mtrs	0.60 m (Tolerances: - ½ %)
	(c) Thickness mm	75 mm (Tolérances : - 2 mm, + 5 mm)
5	Maximum use Temperature	250 ° C
6	Shot Content: captured on 250 Micron Sieve	Max. 15%
	: captured on 500 Micron Sieve	Max.5%
7	Moisture Content	Below 2%
8	Alkalinity (pH)	7.0- 10.0
9	Sulphur Content	Below 0.6%
10	Chloride Content	Below 0.01%
11	Recovery after compression	Above 90%
12	Incombustibility (%Loss)	Below 5%
13	Moisture Absorption (T)	Below 2%
14	Resistance to Vibration Settlement (T)	Below 1%
15	Resistance to Jolting Settlement (T)	Below 3%
16	Heat Resistance at 750 C for 16 hours	No deterioration of fiber
17	Fiber Diameter	Max. 7 Micron
18	Standard Compliance	IS - 8183

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