



THERMAL CONDUCTIVITY

K value (mW/cm° C)

Mean Temp (°C)	Group III	Group IV
	Density (kg/m³)	
	85 – 120	121 – 160
50	0.495	0.490
100	0.513	0.509
150	0.710	0.670
200	0.719	0.679
250	0.839	0.830
300	0.941	0.883

DESCRIPTION	STANDARD SPECIFICATION
MATERIAL COMPOSITION	Rock Mineral wool Fibres bonded with Thermoset Resin.
SERVICE TEMPERATURE	750°C
FIBRE DIA (micron)	5 μ max (7 μ as per IS8183)
NON-FIBROUS (SHOT) CONTENT	250 μ - 12% max (15% as per IS8183) 500 μ - 3.5% max (5 % as per IS8183)
MOISTURE ABSORPTION	Max 0.8 % (2 % as per IS8183)
MOISTURE CONTENT	Max 0.7 % (2 % as per IS8183)
ALKALINITY (pH value)	Max 8.5 (7-10 as per IS8183)
RECOVERY AFTER COMPRESSION	97 % (90% as per IS8183)
CORROSIVENESS	NON-corrosive
CHLORIDE CONTENT	Max 0.0025% (0.01 % as per IS8183)
SULPHUR CONTENT	Max 0.2 % (0.6 % as per IS 8183)
ODOR EMISSION	NOT detected
FUNGI / MOLD /VERMINS	Do NOT encourage growth.
ASBESTOS CONTENT	NIL
VIBRATION SETTLEMENT	0.7 % max (1% as per IS8183)
COMPRESSIVE STRENGTH	< 20 kpa
JOLTING SETTLEMENT	1.4 % max (3% as per IS8183)
MAJOR STANARDS CONFORM TO	IS-8183 IS-3144 IS-9842 IS-3677 IS-3346 ASTM C795 C871 C592 C612 C547 C302 C177

DHANROCK® Wool Characters and Benefits

- Fire & Fungus Resistant, Flame Retardant.
- Non-Toxic, Non-combustible, Economical, Does not emit smoke even during intensive fire.
- Has Excellent Thermal, Acoustic & Fire properties
- Resistant to high temperature up to 750° C . Chemically inert & Exceptional long life cycle.
- Free from Asbestos, HFC's and other blowing gases either in the finished product or in the manufacturing process.
- Recyclable, Eco-friendly, value of money.
- Non hygroscopic, Water Resistant. Water Repellant product (optional on demand)

MATERIAL GRADE	NRC (Noise Coefficient value)	SAC (Sound Absorption Class)	Weighted Sound Absorption Coefficient (αw)
RB Slab 48 x 50	0.83	Class – B	0.85
RB Slab 64 x 50	0.88	Class – A	0.90
RB Slab 64 x 100	0.96	Class – A	0.95
RB Slab 96 x 50	0.91	Class – A	0.95