



Rockwool Lightly Resin bonded Slab:

Rockwool Slabs are semi rigid and rigid boards manufactured from stable stone fiber bonded with thermosetting resin binder. It can resist temperature up to 750 Deg C. It is light weight, strong, malleable, easy to handle & cut to suit intricate shape.

Rockwool Slabs are available unfaced or faced with Glass reinforced Aluminum Foil / Kraft paper laminated facing and Black Fiber Glass Tissue

Characteristics :

Densities (Kg/M3)	48 / 64/ 96/ 120 / 144/ 160
Dimensions	0.600/ 0.500 Mts W (1 /1.2 Mts L)
Thicknesses in (mm)	25 – 200 mm
TEMPERATURE RANGE	Up to 750 Deg C
Fire Properties	Fire Retardant
Combustibility	Non Combustible
Thermal Conductivity	0.036 W/m.k – 0.037 at 25 Dec C
Facing	Glass fiber reinforced Aluminum Foil/
IS Standard	Confirming IS 3346
Flexibility	Rigid , Semi Rigid

Application :

Rockwool slabs are used for

- Thermal Acoustic Insulation.
- Residential & commercial buildings.
- Interior walls / Dry wall partitions
- Curing Ovens / Dryers.
- Industrial application where fire safety is a concern.



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Advantages :

- It is non toxic, not hazardous to health and do not contain asbestos.
- It is free from gases such as CFC, HCFC, HFC, Pentane and any other Ozone depletion material.
- It contains less than 0.6% of Sulphur.
- Contains less than 2% of moisture by volume.
- Do not show growth of mould, fungi or bacteria.
- Odor less.
- Resistance to vibration.
- Non combustible.
- It is dimensionally stable under various conditions of temperature and humidity.
- Non corrosive, shot content less than 5%
- Good compressive strength

Thermal conductivity (K Value) :

Mean Temp	Thermal Conductivity in W/m. K for the following densities in Kg/M ³								
Deg C	48	64	80	96	100	128	144	160	200
50	0.042	0.038	0.038	0.037	0.037	0.039	0.039	0.040	0.040
100	0.051	0.046	0.044	0.043	0.043	0.046	0.046	0.047	0.047
150	0.059	0.054	0.053	0.050	0.051	0.052	0.051	0.052	0.053
200	0.074	0.064	0.062	0.059	0.060	0.060	0.059	0.061	0.062
250	0.088	0.072	0.070	0.068	0.069	0.070	0.069	0.070	0.072
300	0.101	0.091	0.086	0.081	0.082	0.082	0.081	0.082	0.083
350	0.120	0.109	0.102	0.095	0.095	0.091	0.091	0.092	0.093

Rockwool Slab achieve following sound absorption coefficient

Product	Absorption coefficient at the octave frequencies Hz							
Type	Thickness (mm)	125	250	500	1000	2000	4000	NRS
48	50	0.24	0.60	0.73	0.93	0.89	0.89	0.80
64	50	0.19	0.59	0.89	0.97	0.90	0.71	0.85
80	25	0.06	0.30	0.53	0.75	0.76	0.91	0.60
96	50	0.28	0.89	1.00	1.00	1.00	0.85	0.95
144	50	0.21	0.84	1.00	1.00	1.00	0.78	0.95

** Above two tables shows typical values as per normal manufacturing and testing variances