

BISON WALL PANEL

EASY BUILD SOLID WALLS



EASY
INSTALL



ECO-
FRIENDLY



ENERGY
SAVING



LIGHT
WEIGHT



STRONG &
DURABLE



THERMAL
INSULATION



ASBESTOS
FREE



SOUND
INSULATION



TERMITE
PROOF



FIRE
RESISTANT



WEATHER
RESISTANT

Sl. No.	Test Conducted	Test Method	Test Result			
			2.4 m x 0.61 m x 50 mm thick	3.0 m x 0.61 m x 50 mm thick	2.4 m x 0.61 m x 75 mm thick	3.0 m x 0.61 m x 75 mm thick
1	Measured Dimension (mm)	L D M				
	a) Length		2400	3000	2400	3000
	b) Width		610	610	610	610
	c) Thickness		50	50	75	75
2	Weight of panel (kg)	L D M	51.56	63.42	66.79	83.99
			49.31	63.42	67.98	85.02
			51.74	63.32	67.32	84.72
3	Nominal weight (kg/m ²)	L D M	34.74	34.45	46.01	46.21
4	Density (kg/m ³)	IS 2380 Part 3 - 1977	694.9	689.10	613.50	616.2
5	Water Absorption (% by weight)	IS 2380 Part 16 - 1977				
	a. @ 2 hour		3.27	4.98	3.17	4.35
	b. @ 24 hour		7.97	13.21	5.82	8.68
6	Screw withdrwal test (N)	IS 2380 Part 14 - 1977	2140	2260	2350	2520
7	Pull off Adhesion test (MPa)	ASTM D 4541 - 95	0.32	0.31	0.31	0.34
8	Axial Load Test maximum Load - kg	DKS 2641:2016	726	443	2123	1482
	Max. central Deflection – mm		7.65	29.80	31.49	26.78
9	Uniformly Distrubuted Load Test Maximum load – kg Maximum central defleaction - mm	DKS 2641:2016	200	160	430	260
10	Tensile strength Parralle to surface (Mpa)	IS 2380 (Part 6) 1977	1.68	1.70	1.22	1.24
11	Multi point Load test (MPa)	DKS 2641:2016	8.62	8.68	4.76	4.92
12	Bending Strength test (MPa)	DKS 2641:2016	4.32	4.34	3.02	3.10

Bison Wall - Partition Installation Process:

1. Fix ceiling and floor channels.
2. Erect the panel and align.
3. Apply jointing material in tongue & groove joint.
4. Apply jointing and fibre mesh tape to the surface joint.
5. Now, the surface is ready for any finish including paint, tiles, wallpaper, texture etc.

Applications

- Fire-rated and sound insulated partitions
- Prefab Structures
- Commercial & Residential Partitions
- Mezzanine Flooring
- Compound Wall
- Fins



Specification

Sandwich panel having core up to 5mm thick Cement Bonded Particle Board as per IS:14276:2016, in fill aerated concrete with EPS ball

Fire Resistant

Bison wall panel come with fire resistant from 60 to 120 minutes as per BS 476 part 20-22. Fire resistant wall panels give you the protection from different levels of fire. We hold experience in this domain which enables us to gain huge client base across India.

Easy Installation

Bison wall panels can be easily installed which saves time in construction. The risk of project delay is also less. The special tongue and groove construction gives the easy installation process for wall panels.

Strong and Durable

Bison wall panels because of its raw material and special manufacturing process obtains its property of strength and durability. Because of which it acquires the long service period and minimum maintenance. High durable wall panels give resistance from corrosion, impact and resists the accumulation of dust.

Thickness : 50MM, 75MM & 100MM | Sizes : 2400x610MM, 3000x610MM

Area of Applications



Housing & Residential



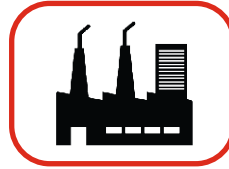
Mall



Commercial Building



Warehouse



Industrial Complex



Defense



Office



School



Restaurant



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