

EASY TO INSTALL



1 Fix Ceiling and Floor Channels

2 Erect the panel and align

3 Apply jointing material in tongue and groove joint

4 Apply jointing material and fibre mesh tape to the surface joint

Now the wall is ready for any finish including paint, tiles, wallpaper or texture.

TECHNICAL SPECIFICATIONS

Dimensions

Parameter	Unit	Test Standard / Condition	Typical Value
Length	mm	--	2400 / 3000
Width	mm	--	600
Thickness	mm	--	50/75
Edge Profile	--	--	Tongue and Groove

Physical & Mechanical Characteristics

Parameter	Unit	Test Standard / Condition	50mm	75mm
Nominal weight	Kg/m ²	Weight	42	47
Axial Compression Strength	Kg/m	IS 2380	250	270
Apparent Density	Kg/m ³	IS 2380	831	840
Tensile Strength (parallel to surface)	N/mm ²	IS 2380	3.7	5.5
Tensile Strength (perpendicular to surface)	N/mm ²	IS 2380	1.7	2.8
Core Bonding Strength	N/mm ²	IS 2380	1.22	1.18
Modulus of rupture	Kg/m ²	IS 2380	51	60

Thermal Characteristics

Parameter	Unit	Test Standard / Condition	50mm	75mm
Thermal Conductivity	W/mK	ASTM C 177 & ISO 8302	0.24	0.26

Fire Characteristics

Non- Combustibility	-	BS 476 Part 4	Non-Combustible
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Environmental Friendly Characteristics

Termite Resistance	-	IS 4833	No Termite Attack
VOC Organic Emission	-	ISO 16000-6	Not Detected

Subject to size tolerance sheet, refer production test certificate

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Renacon

RAPID WALL

Lighter • Stronger • Superior

Smart
wall building
solutions



Fire Resistant



Termite Resistant



Acoustic Insulation

Tongue & Groove Technology

Redefining the way walls are built.

Renacon is all committed to bring about an innovative transformation in the Indian Construction Industry with its state-of-the-art wall panels. These panels are made of two fibre reinforced cement sheets on either side of a light-weight concrete core, have been indigenously designed to offer the perfect combination of being light weight and occupying less space than usual brick wall. At the same time being sturdy and of superior quality. These panels have been designed to keep our environment safer for the future generations.



- Thinner Walls
- Extra carpet area

- Pre-cured to save on site curing
- Faster installation saves time
- Lesser labour saves cost
- Light weight for structural saving

- Fire resistant
- Water resistant
- Termite resistant
- Able to withstand extreme weather



VERSATILE APPLICATION AREAS

- Prefab Structures**
 - Accommodation Units • Site Offices • Security & Store Rooms • Warehouses • Godowns • Army Barracks
 - Schools • Low-cost Housing
- Partitions**
 - Offices • Malls • Educational Institutions • Hotels • Restaurants • Residential • Industrial Units
 - Government Buildings • Defence Installations
- Boundary**
 - Residential • Industrial • Commercial • Government • Defence
- Fire Separation Walls**
 - Shopping Malls • Hotels • Staircase Enclosures



Schools | Offices | Malls | Restaurants | Defence | Industrial Complexes | Commercial Spaces | Warehouses | Residential Buildings

