



INNOVATIVE BUILDING IMPORTERS PTY LTD

# Light-Weight Concrete Panel Systems





# Lightweight Partition Wallboard

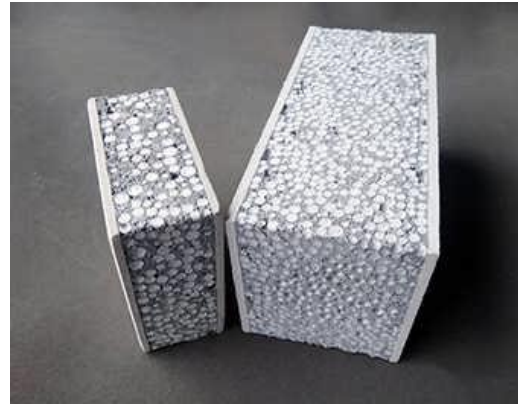
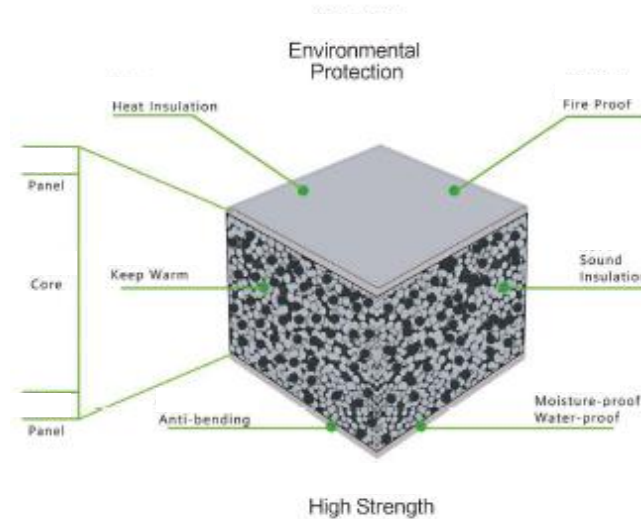


# Lightweight partition wallboard

A new energy-saving material.

It is suitable for:

- Non-bearing walls of multi-story and high-rise buildings, kitchen and bathroom projects
- Exterior walls of restaurants, song halls, hotels, and residential buildings
- Internal partition walls of old house renovation projects.





**Polystyrene particles**



**High-strength cement**



**Calcium silicate boards**



**Fly ash**

# Main Raw Material



# Application of the Product



## The advantage of our product



**Fireproof**



**Soundproof**



**Waterproof**



**Simple construction**



**Capability to hang heavy things**



**Energy saving  
environmental protection**



**Light in weight**



**Good seismic  
resistance performance**

# Technical performance indicators



Item	National			Testing indexes		
	60mm	90mm	120mm	60mm	90mm	120mm
Anti-impact capacity/ times	≥5	≥5	≥5	≥8	≥10	≥15
Anti-bending damage load/ times over deadweight	≥1.5	≥1.5	≥1.5	≥3	≥4	≥5
Compressive strength	≥3.5	≥3.5	≥3.5	≥3.5	≥3.5	≥3.5
Soften coefficient/ Mpa	≥0.80	≥0.80	≥0.80	≥1	≥1	≥1
Surface density kg/m <sup>2</sup>	≤70	≤90	≤110	≤55	≤70	≤85
Moisture rate a/ %		≤12/10/8			≤10/9/7	
Drying shrinkage value / mm/m						
Hang force/ N	≥1000	≥1000	≥1000	≥1200	≥1300	≥1500
Sound insulation capacity in the air/ dB	≥30	≥35	≥40	≥35	≥40	≥45
Fire endurance/ h	≥1	≥1	≥1	≥1.5	≥3	≥4
Heat transfer coefficient b/w/m.k			≤1.0			≤1.0
Radioactivity limit (solid boards)	≤1	≤1	≤1	≤1	≤1	≤1
Inner radiation indexes	≤1	≤1	≤1	≤1	≤1	≤1
Outer radiation indexes	≤1	≤1	≤1	≤1	≤1	≤1



Wall panel 500m²			Standard brick 500m²		
Item	75mm thick	90mm thick	Item	120mm standard thick brick	180mm standard thick brick
Weight panel (T)	26.5	29	Weight of bricks (T)	80	1200
Mortar installation (T)	2	2.66	Mortar cement (T)	11.5	20.6
No plastering is required, top coat can be applied directly			Plastering on side (T)	80	80
Total (T)	28.5	31.66	Total (T)	171.5	220.66

## Product Specifications

Specifications	Series 60	Series 75	Series 90	Series 120	Series 150	Ceramsite Series 90	Ceramiste Series 120
Thickness (mm)	60	75	90	120	150	90	120
Length (mm)	2270/2440						
Width (mm)	610	610	610	610	610	610	610
Density (kg/m²)	48±5	55±5	60±5	72±5	88±5	85±5	100±5
Fire endurance (h)	1.5	2	3	4	4	4	4
Can be customized according to the needs of users processing							



# Installation procedure



**1. Lay line and lift board**



**2. Board cutting**

**3. Sizing**



**4. Board loading**



**5. Take place**



**6. Correction**

# Installation procedure



**7. Nailing**



**8. Fixation**



**9. Grouting**



**10. Slotting**



**11. Plastering and coating**



**12. Door frame**





# Examples





**For further details on our available products,  
please contact:**

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