

PRISM JOHNSON LIMITED



Lightweight AAC blocks *that reduce loads*
and enable a *sustainable tomorrow*



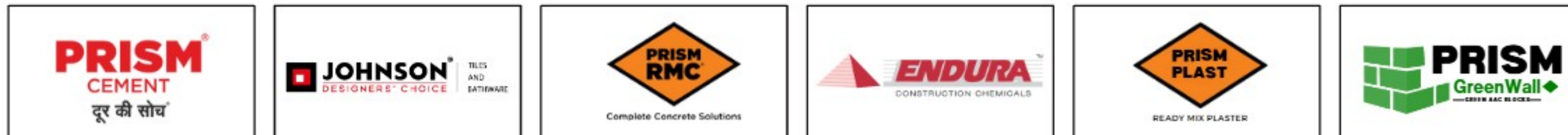
ABOUT US

Prism Johnson Limited is one of India's largest integrated building materials companies, offering a wide range of products—from cement and ready-mixed concrete to tiles and bath products.

Prism Johnson strives to provide high-quality and innovative building material products and services while addressing society's needs in a sustainable manner. The company believes that a superior customer experience forms the foundation for long-lasting partnerships. To this end, it continuously customises products and solutions to meet customer requirements and ensure higher satisfaction.



OUR BRANDS



OUR PRODUCTS



PrismGreenWall by **Prism Johnson Limited** is a sustainable and innovative solution for modern construction, engineered from eco-friendly materials to minimize environmental impact while delivering superior performance. These lightweight autoclaved aerated concrete (AAC) blocks are designed to reduce structural loads, ensuring cost-efficiency, durability, and long-term reliability.

PrismGreenWall offers advanced features including superior thermal and sound insulation, exceptional fire resistance, and low water absorption, making it versatile for various construction applications. With a density just one-third that of conventional clay bricks, it streamlines construction processes, minimizes material wastage, and boosts overall efficiency. **PrismGreenWall** is the ideal solution for environmentally conscious projects, blending sustainability with outstanding performance.



KEY FEATURES



KEY ADVANTAGES



Eco-friendly



Light-weight



Thermal & sound insulation



High strength



Reduced structural costs



Fire resistance

TECHNICAL SPECIFICATIONS

Density (Oven Dry)	550 - 650 kg/m ³
Compressive Strength	4 N/mm ²
Modulus of Elasticity	2040 N/mm ²
Drying Shrinkage	0.04%
Fire Resistance	4 Hrs. (for 150 mm wall)
Thermal Conductivity (k value)	0.16 W/(m.k)
Water Absorption (At equilibrium)	8%
Sound Transmission Class Rating	43db (for 100 mm wall)
Coefficient of Thermal Expansion	8.1 × 10 ⁻⁶ K ⁻¹

PrismGreenWall VS Others



PROPERTIES	RED BRICK	CONCRETE BLOCK	PrismGreenWall
Thermal Conductance	0.81 W/m ² .K	2 W/m ² .K	0.16 W/m ² .K
Dry Mass Density	1800-2000 kg/m ³	2500 kg/m ³	550-650 kg/m ³
Material Constituents	Top Soil	Cement + Water + Sand & Gravel	Fly Ash + Gypsum + Lime + Cement + Aluminum Powder
Power Efficiency	Low	Average	High (30% less electricity consumption on HVAC)
Water Permeation	High	Average	Low
Pest & Termite	High	None	None
Shock Resistance	Low	Low	Highest in the category
Fire Durability (6 wall)	2 hours	3 hours	4 hours
Breakage Residue	High 10% to 12%	Minimal (1%-3%)	Minimal (1%-3%)



ADDRESS

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SCAN ME FOR MORE!



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