



GREEN PRO BLOCKS PVT. LTD.

BUILDING THE FUTURE WITH
STRENGTH & SUSTAINABILITY

AAC BLOCK MANUFACTURER



COMPANY OVERVIEW



ABOUT GREEN PRO BLOCKS PVT. LTD.

Green Pro Blocks Pvt. Ltd. is a leading manufacturer of premium Autoclaved Aerated Concrete (AAC) Blocks. With years of manufacturing excellence and innovation, we have emerged as one of the leading AAC block suppliers serving infrastructure, residential, commercial, and industrial projects across India.

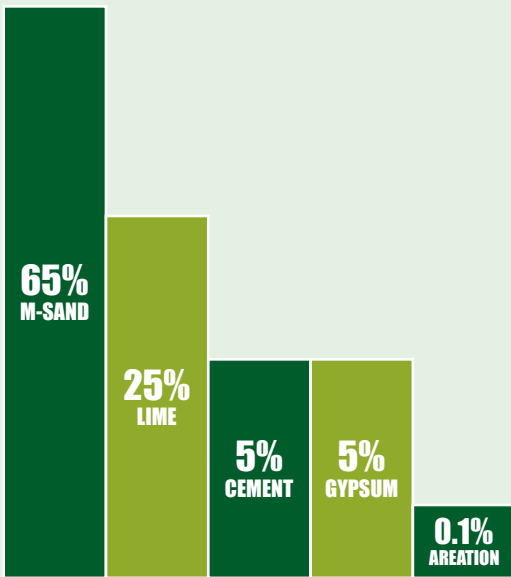
We combine advanced German technology, precision engineering, and strict quality control systems to deliver superior building materials that redefine modern construction standards.

DIRECTOR'S VISION

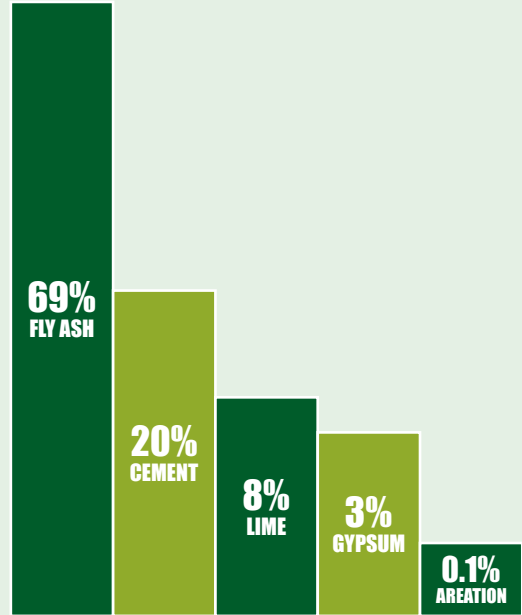
To build a future where construction is stronger, smarter, and more sustainable. Our vision is to deliver world-class AAC blocks that set new benchmarks in quality, innovation, and environmental responsibility—supporting India's growth with reliable building solutions.

- VISHAL RATHOD

PRODUCT FACTS



SAND BASE AAC BLOCK



FLY ASH BASE AAC BLOCK



EASY FOR MULTIPLE USAGE



Nails can be put with normal hammer.



Small grooves and chases for services can be cut with a manual chasing tool.



Block can be drilled to provide electrical socket.



Take coping above 1.2 meter height.

BUILT FROM THE INSIDE OUT

ROCK SAND

Coarse And Angular, Ensuring High Strength

- ✓ Angular particles for improved interlocking
- ✓ Enhances compressive strength
- ✓ Ensures structural stability



RIVER SAND

Smooth And Rounded, Providing Better Bonding

- ✓ Fine and smooth texture
- ✓ Improves bonding and workability
- ✓ Ensures uniform density



QUARTZ SAND

High In Silica, Enhancing Durability And Insulation

- ✓ Rich in silica
- ✓ Improves thermal insulation
- ✓ Enhances long-term durability



UP TO 98% SILICA INTEGRATION

Our manufacturing process maximizes silica efficiency, resulting in AAC blocks that deliver exceptional performance across structural and thermal parameters.

Silica plays a critical role in forming a strong crystalline structure during autoclaving — ensuring consistent quality in every block.

- ✓ Enhanced Crack Resistance
- ✓ Higher Load-Bearing Capacity
- ✓ Improved Thermal Insulation
- ✓ Better Dimensional Stability
- ✓ Reduced maintenance



OUR MANUFACTURING STRENGTH



Our infrastructure enables us to handle bulk orders efficiently while maintaining consistency in quality.

- ▶ State-of-the-art Automated Production Plant
- ▶ High Daily Production Capacity
- ▶ Strict Quality Assurance Protocols
- ▶ Advanced Autoclave Curing Systems
- ▶ Dedicated Logistics Network For Delivery

INDUSTRIES WE SERVE



Residential Housing Projects



High-Rise Apartments



Commercial Complexes



Educational Institutions



Warehouses



Industrial Units



Hospitals



Government Projects

TECHNICAL SPECIFICATION

No.	Parameter	AAC Blocks	Conventional Clay Bricks
1	Standard Size (L × H × T)	600 × 200 × (75–230) mm	230 × 75 × 115 mm
2	Dimensional Accuracy	±1.5 mm	±5 to 15 mm
3	Compressive Strength	≥ 4 N/mm ² (IS:2185 compliant)	2.5–3.5 N/mm ² (IS:1077)
4	Dry Density	Approx. 550–650 kg/m ³	Approx. 1900–2000 kg/m ³
5	Fire Resistance	Up to 6 hours (varies by thickness)	Around 2 hours
6	Sound Insulation	~45 dB for 200 mm wall	~50 dB for 230 mm wall
7	Thermal Conductivity	0.16 W/m·K	0.81 W/m·K

GENERAL SPECIFICATION

No.	Feature	AAC Blocks	Conventional Clay Bricks
1	Structural Efficiency	Enables steel saving up to 15%	No structural material saving
2	Mortar Consumption	Lower due to flat surfaces & fewer joints	Higher due to uneven surfaces
3	Breakage & Wastage	Minimal breakage, near-complete utilization	10–15% breakage common
4	Construction Speed	Faster due to large size & light weight	Comparatively slower
5	Labour Productivity	Higher output per worker	Lower output
6	Quality Consistency	Uniform factory-controlled quality	Quality varies by batch
7	Efflorescence	Negligible, improves long-term appearance	Often visible
8	Cutting & Chasing	Easy for electrical & plumbing works	Difficult and time-consuming
9	Carpet Area Gain	More usable area due to thinner walls	Reduced carpet area
10	Storage at Site	Just-in-time supply, minimal storage	Requires large stacking area
11	Water Consumption	Reduced curing water requirement	Higher water usage
12	Energy Efficiency	Saves ~30% HVAC energy	No energy saving
13	Maintenance	Low maintenance over lifecycle	Higher maintenance cost

WHY CHOOSE GREEN PRO BLOCKS PVT. LTD.

25+

YEARS OF EXPERIENCE

10+

LOCATIONS SERVED

596+

HAPPY CLIENTS

300+

WORKED WITH EMPLOYEES

✓ Superior Product Quality

Our AAC Blocks are manufactured using advanced technology and strict quality control systems.

✓ Wide Product & Size Range

We offer Fly Ash AAC Blocks, SandBased AAC Blocks, and a wide variety of sizes and custom solutions.

✓ Sustainable & Eco-Friendly

With a strong logistics and distribution network, we ensure timely and reliable delivery to project sites across India.

✓ Fire & Termite Resistant

Green Pro AAC Blocks offer high fire resistance and are naturally resistant to pests and termites, ensuring longterm safety and durability.

✓ Lightweight & Cost Efficient

AAC Blocks are significantly lighter than traditional bricks, resulting in:

- Reduced structural load
- Faster construction
- Lower steel and foundation costs
- Overall project cost savings



GREEN PRO BLOCK ADHESIVE

Green Pro Block Adhesive is a highperformance, ready-to-use thin-bed mortar specially developed for AAC blocks. It ensures superior bonding strength, faster construction, and reduced material consumption—making it the smart and sustainable choice for modern building projects.



Technical Highlights

- ✓ Suitable for AAC Blocks
- ✓ High early and long-term strength
- ✓ Consistent factory-controlled quality
- ✓ Compatible with green building standards

WHY CHOOSE GREEN PRO BLOCK ADHESIVE

- ✓ **High Bond Strength**
Creates a strong and durable bond between AAC blocks, ensuring long-term structural stability.
- ✓ **Thin Bed Application**
Requires only 2–3 mm thickness, reducing material usage compared to conventional cement mortar.
- ✓ **Eco-Friendly & Sustainable**
Lower cement content leads to reduced carbon footprint and greener construction practices.
- ✓ **Faster Construction Speed**
Easy application improves productivity and speeds up wall construction.
- ✓ **Excellent Workability**
Smooth consistency allows easy spreading and uniform bonding.
- ✓ **Reduced Shrinkage & Cracks**
Special additives minimize shrinkage and prevent cracks in masonry joints.



- +91 95580 14707
- www.greenproblocks.com
- sales@greenproblocks.com | vishalrathod@greenproblocks.com
- 36, Shriji Complex, Shriji Bungalow, Opp Narol Court
N.H. No. 8 Narol, Ahmedabad, Gujarat - 382405