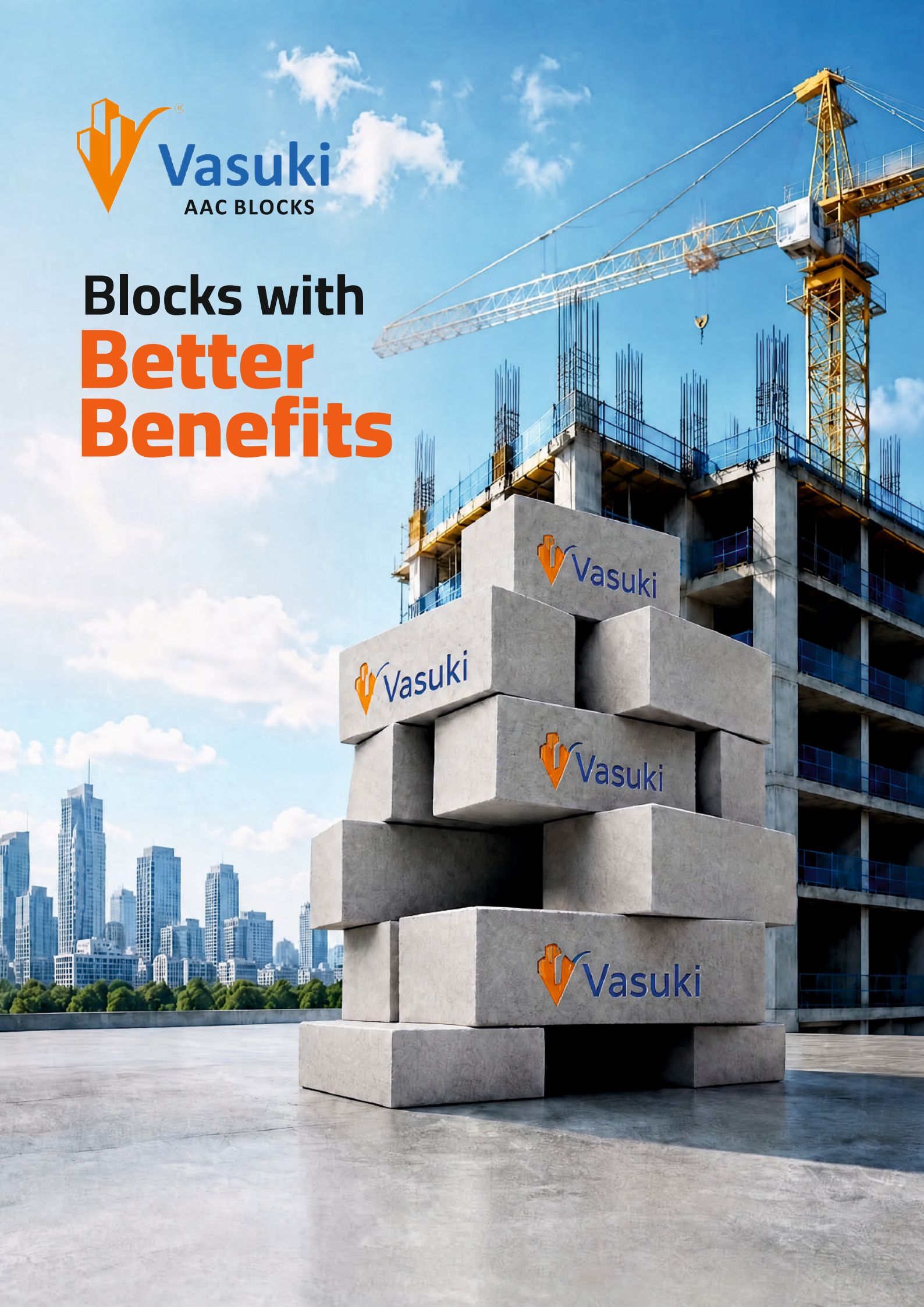
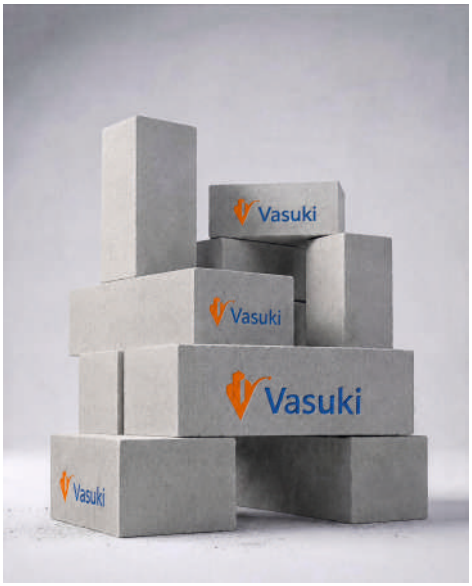
Vasuki
AAC BLOCKS

Blocks with Better Benefits



AAC Solutions That Make The Difference



As part of **Vasuki Infra**, we are committed to delivering construction materials that meet the evolving demands of modern infrastructure. Our AAC Blocks are manufactured in a state-of-the-art facility equipped with advanced automation and precision engineering to ensure consistent quality in every block.

Built with **globally recognized German and Chinese technology**, our production line integrates automated batching, precision cutting, and **PLC-controlled manufacturing systems** that monitor every stage of production for maximum accuracy and consistency.

With a **3-minute production cycle**, every block is manufactured under controlled conditions before undergoing high-pressure autoclave curing, ensuring superior strength, dimensional accuracy, and long-term performance. Every stage of production is backed by stringent quality control processes, enabling Vasuki to deliver AAC Blocks that meet the highest standards of modern construction.

Manufacturing Excellence

- German & Chinese Advanced Manufacturing Technology
- PLC-Controlled Automated Production
- High-Pressure Autoclave Curing
- 3-Minute Production Cycle
- Precision Cutting Technology
- Consistent Quality Assurance
- IS 2185 (Part 3) Certified

Vasuki
AAC BLOCKS

Why Builders Choose Vasuki AAC Blocks

- Fire Resistant
- Thermal Insulation
- Sound Insulation
- Lightweight Construction
- Faster Construction
- Precision Dimensions
- Eco-Friendly
- High Strength

Why AAC is Better than Clay Bricks

Feature	Vasuki AAC Blocks	Clay Brick
Lightweight	3–4x lighter	Heavy
Construction Speed	3x faster	Slower
Fire Resistance	High (up to 4 hours)	Moderate (1–2 hours)
Thermal Performance	Excellent insulation	Poor insulation
Sound Insulation	High (40–45 dB)	Moderate (30–35 dB)
Mortar Usage	Very low (thin adhesive)	High (thick joints)
Plaster Consumption	Minimal (smooth surface)	High (uneven surface)
Dead Load	Low	High

Vasuki
AAC BLOCKS

Fly Ash-Based AAC Blocks

Benefits

- Lightweight
- Economical
- Sustainable
- Excellent Thermal Performance
- Fly ash green environment

Sand-Based AAC Blocks

Benefits

- Higher Strength
- Lower Shrinkage
- Premium Finish
- Better Water Resistance

Technical Sheet

Block Size			Width (Inch)	Blocks per CBM
Length (mm)	Height (mm)	Width (mm)		
600	200	100	4″	83
600	200	125	5″	67
600	200	150	6″	56
600	200	175	7″	48
600	200	200	8″	42
600	200	225	9″	37

Technical Specifications

Property	Sand-Based AAC Blocks	Fly Ash-Based AAC Blocks
Raw Material	Sand, Lime, Cement, Gypsum, Water	Fly Ash, Lime, Cement, Gypsum, Water
Dry Density	700-750 kg/m³	600-650 kg/m³
Compressive Strength	5+ N/mm²	4+ N/mm²
Thermal Conductivity	0.15-0.18 W/mK	0.14-0.16 W/mK
Sound Insulation	45-50 dB (200 mm wall)	40-45 dB (200 mm wall)
Fire Resistance	2-6 Hours*	2-6 Hours*
Water Absorption	0.5-5%	15-20%
Drying Shrinkage	0.01-0.02%	0.04-0.06%

*Depending on wall thickness and weather conditions.

Manufacturing
Excellence in Every Stage

Raw Materials

Mixing

Cutting

Casting

Autoclaving

Quality Inspection

Dispatch

Packing

Vasuki
AAC BLOCKS

Quality & Certifications

IS 2185 (Part 3)

IGBC Member

IGBC Member

Quality Testing

Batch Consistency

AAC Blocks Applications

Residential | Commercial | Schools | Hospitals | Warehouses

Vasuki®
AAC BLOCKS

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