



BUILD FOR BETTER TOMORROW



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ABOUT US



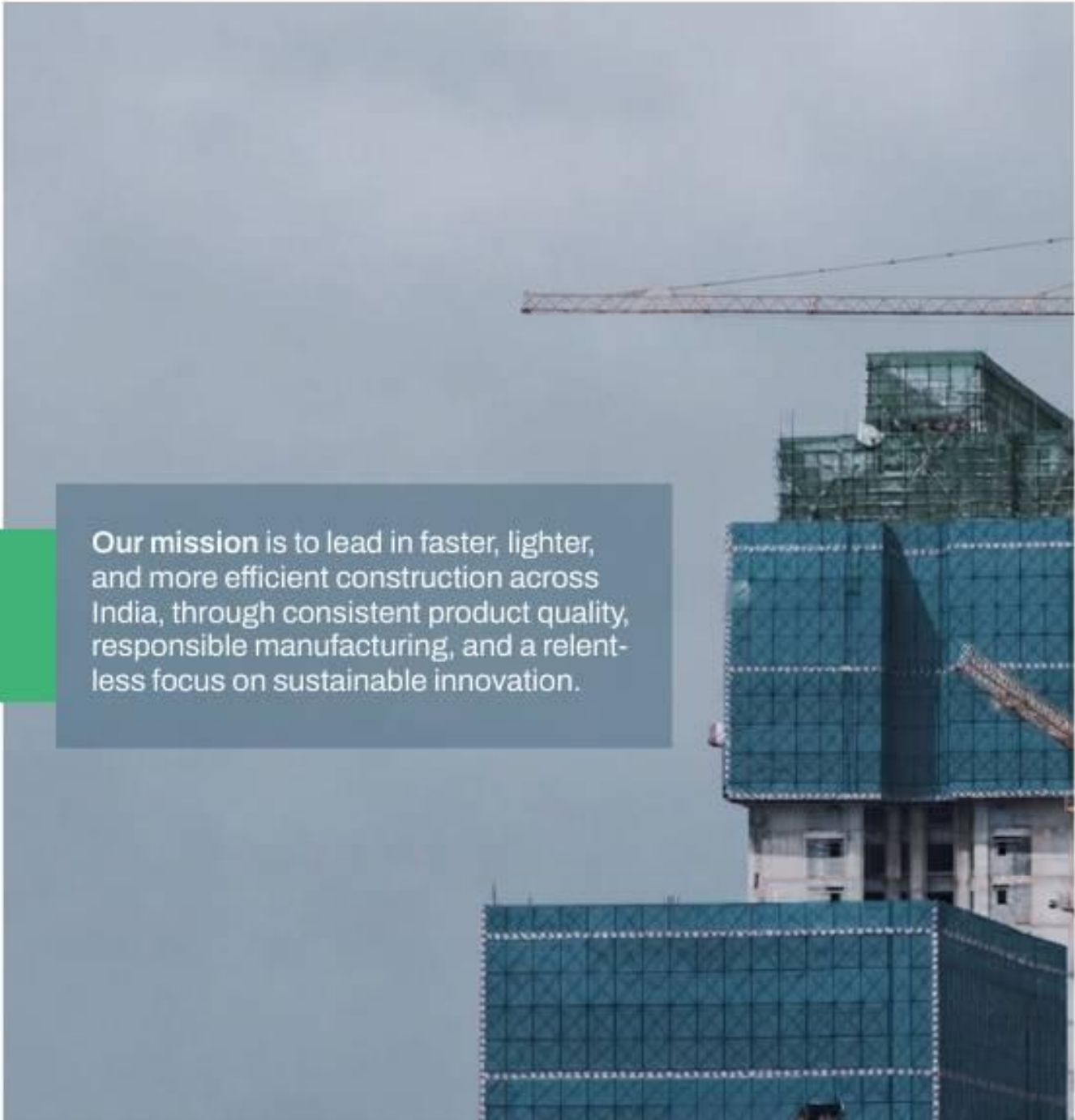
At **BRICKCEM CONMATE PVT. LTD.**, we believe that the way India builds today will shape the cities its people inherit tomorrow. That belief drives us to work toward a better, more sustainable future—one responsible material at a time.

Our construction materials are engineered to be lighter, stronger, and more resource-efficient than conventional alternatives, without compromising on quality or reliability. A commitment to impeccable quality is built into every process we follow.

OUR VISION

To lead
India's shift
from conventional
construction to
**Conscious
Construction.**

OUR MISSION



Our mission is to lead in faster, lighter, and more efficient construction across India, through consistent product quality, responsible manufacturing, and a relentless focus on sustainable innovation.

WHY US?

Engineered for Efficiency

Our AAC blocks are precision-manufactured to reduce dead load and improve thermal insulation by cutting air-conditioning load by up to 30%

Responsible by Design

Every block is manufactured to minimize resource consumption and reduce environmental impact because we believe growth and responsibility.

Partnership Beyond the Product

We work closely with builders, architects, and developers with responsive service, reliable delivery timelines, and technical support. A better building material only matters.

Built for Speed, Without Cutting Corners

With negligible breakage and near full material utilization, our blocks enable faster construction cycles and nearly double the labour output of conventional.

Consistent, Dependable Quality

From raw material selection to final output, our manufacturing process follows disciplined quality control at every stage, so what you receive on-site matches.

At **BRICKCEM**, every material we manufacture is built around one belief that construction can be lighter, faster, and more responsible, without asking builders to compromise on strength or quality.



ABOUT THE PLANT FACILITY

BRICKCEM CONMATE operates a fully automated AAC block manufacturing facility in Gujarat, built on one principle- predictability is engineered, not assumed. Every stage, from raw material handling to mixing, casting, precision cutting, and autoclaving, runs on advanced systems from KEDA and Forbes Marshall, eliminating operator dependency and batch-to-batch variability. Fly ash and sand are stored and fed through controlled, measured systems, ensuring density consistency and strength repeatability from the first block to the last. The result is independently verified. Our blocks are tested at NABL-accredited labs against IS 2185 (Part 3), consistently outperforming standard benchmarks in thermal conductivity, density, and compressive strength. This is what disciplined manufacturing looks like - not an assembly operation, but a precision-built system engineered for consistent, dependable output at scale.



OUR PRODUCTS



AIWON Blocks are engineered to build faster and better, replacing the weight and waste of conventional bricks with a smarter, more efficient alternative.

AIWON AAC BLOCKS

**LIGHTER BY DESIGN.
STRONGER BY STANDARD.**

TECHNICAL SPECIFICATION

As per (IS Code 2185: Part3)

DRYING SHRINKAGE: ■

≤0.05% (Grade 1) / ≤0.10% (Grade 2) -
engineered for long-term
dimensional stability

DENSITY ■

550–650 kg/m³, calibrated for optimal
strength-to-weight performance

SUSTAINABILITY

Lower embodied
energy and reduced
greenhouse
gas emissions
Comparatively, lower

COMPRESSIVE STRENGTH

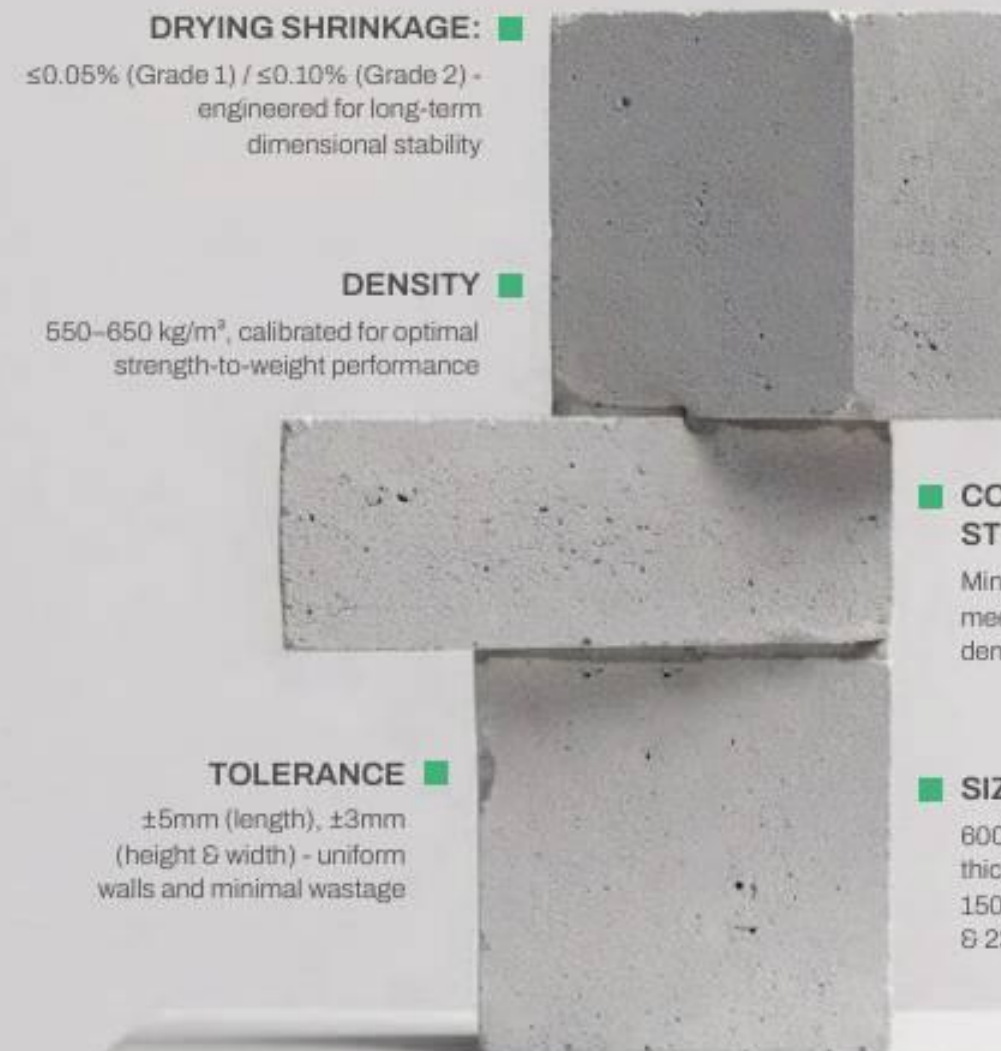
Minimum 3.5 N/mm², built to
meet and exceed structural
demands

SIZES

600mm x 200mm, available in
thicknesses of 75mm, 100mm,
150mm, 200mm, 225mm
& 230mm

TOLERANCE ■

±5mm (length), ±3mm
(height & width) - uniform
walls and minimal wastage



BUILT TO PERFORM

Lighter Load, Stronger Structure:

Up to 3x lighter than red bricks,
reducing dead load without com-
promising compressive strength

Thermally Efficient :

Cuts air-conditioning load by
up to 30%, keeping interiors
cooler naturally

Fire Resistant :

Withstands temperatures up
to 1200°C for several hours,
non-combustible by nature

Faster to Build:

Larger block size and lighter han-
dling nearly double labour
output over red bricks



Soundproof by Structure:

Millions of micro air-pockets
deliver superior acoustic insulation

Moisture Resistant:

Low water absorption prevents
seepage, dampness, and
long-term wall damage

Zero Waste, Full Utilization:

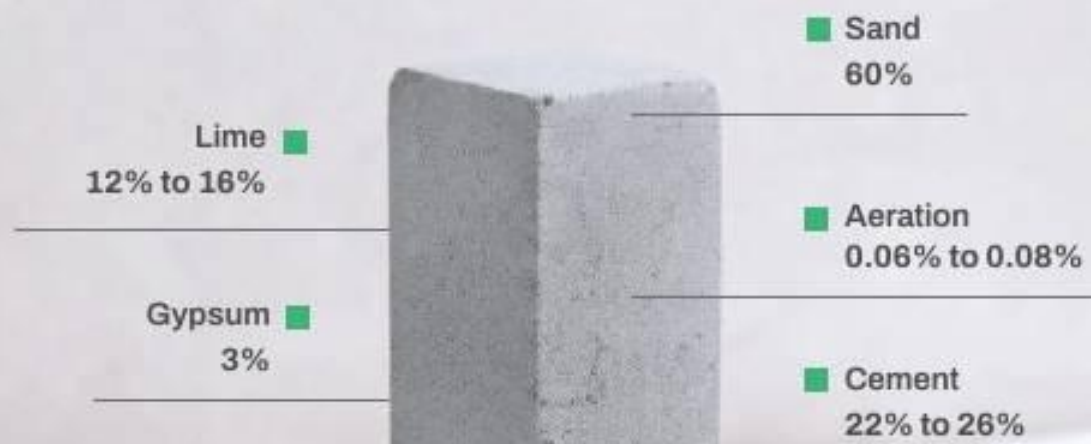
Negligible breakage ensures
nearly full material efficiency
on-site

Seismic Ready:

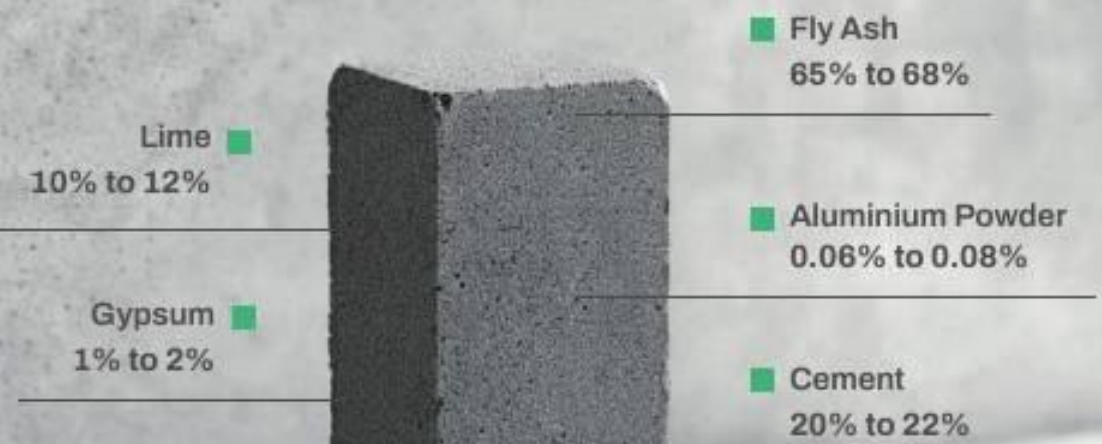
Lightweight construction reduces
structural stress, improving
earthquake resilience

PROPORTION OF AAC BLOCKS

SAND BLOCK



FLYASH BLOCK



RED BRICKS V/S AIWON AAC BLOCKS



Breakage & Utilization

Negligible breakage - near 100% material utilization

Construction Speed

Faster builds, driven by lightweight handling

Labour Output

Nearly 2x higher than conventional bricks

Maintenance

Uniform, consistent performance

Carpet Area

More carpet area — thinner walls, same strength

Availability

Ready stock, even on short notice

Energy Efficiency

Up to 30% reduction in AC heating/cooling load

Water Absorption

Low absorption (10–15%) — better moisture resistance

Design Flexibility

High - easily cut, shaped, and customized

AIWON AAC BLOCKS

RED BRICKS



Breakage & Utilization

10–12% average breakage — only 85–90% utilization

Construction Speed

Comparatively slower

Labour Output

Comparatively lower

Maintenance

Varies across batches

Carpet Area

Comparatively less

Availability

Prone to storage issues, especially in monsoon

Energy Efficiency

No measurable energy savings

Water Absorption

Moderate absorption (10–20%)

Design Flexibility

Limited flexibility



OUR PRODUCTS



AIWON BOND

AIWON Bond is a high-performance, water-resistant mortar engineered specifically for AIWON AAC Blocks, combining graded dry sand, cement, and imported modified polymers with our proprietary Superbond Technology for superior adhesion, workability, and durability.

PRECISION-ENGINEERED BLOCK JOINTING MORTAR

APPLICATION

Laying & Jointing of
AAC Blocks

Jointing of Concrete Window
and Door Frames

PACKAGING & STORAGE

Available in 40kg bags

6-month shelf life

Store in cool and
dry storage conditions



KEY FEATURES

Stronger Adhesion:

A robust, dependable bond between every block

Zero Water Percolation:

Thin, precise joints keep moisture out

Consistent Quality:

Uniform performance across every application

No Curing Required:

Ready to build on, without the wait

Superbond Technology:

Engineered for lasting strength and performance



WHY AIWON BONDS?

High Strength:

Superbond Technology and graded ingredients deliver a bond that holds

Faster Construction:

No curing time means faster project timelines

Less Wastage:

Superior workability means less material lost on-site

Cost Efficient:

Easy application saves both time and money

Zero Water Percolation:

Thin joints and quality materials keep walls dry

No Heat Loss:

3mm joints minimize thermal loss through gaps