

TECHNICAL DATA

Dimensions (L x H)	600mm X 200mm
Thickness	75mm - 300mm
Compressive Strength	3 N/mm ²
Density	551 - 600 kg/m ³
Thermal Conductivity	0.12 W/m-k
Sound Reduction (db)	35 - 45 db
Fire Resistance	1600°C / 6hrs for 200mm thickness
Precision in Size	Variation 1mm (+/-)

*Customised Thickness can be Manufactured on request
Conforming to BIS 2185 (Part 3), 1985 Grade 2



- Precise in dimension
- High compressive strength
- Low density (dry weight)
- Flexibility in size
- Thin mortar joint
- Less number of joints
- Increases carpet area

BIGGER - LIGHTER - STRONGER

Kamcrete - Technical Support

1. We provide technical support for lightweight walling-based structural design
2. Advise on the handling, storage and efficient use of these products so as to minimise wastage, and thereby costs
3. Advise on the construction of walls :

- Recommended / Correct practices
- Training of supervisors and masons
- Site audit & feedback process on walling work

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for
smarter
spaces

Grey Matter
— Meets —
Green Matter



WHY KAMCRETE AAC ?



Light Weight



Better Sound Insulation



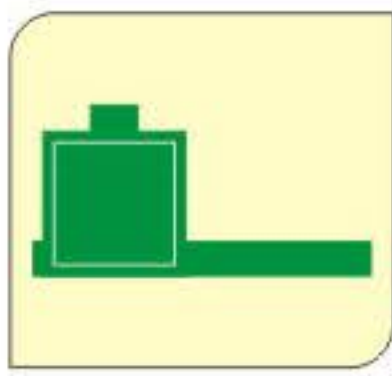
Energy Saving



High Workability



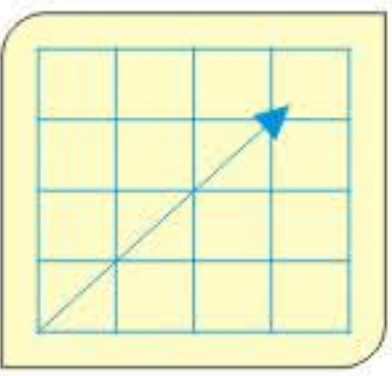
Faster Construction



Accuracy in Size



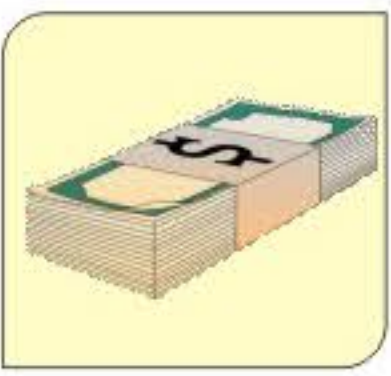
Fire Resistance



Longer Life



Environmentally Friendly



Cost Effective

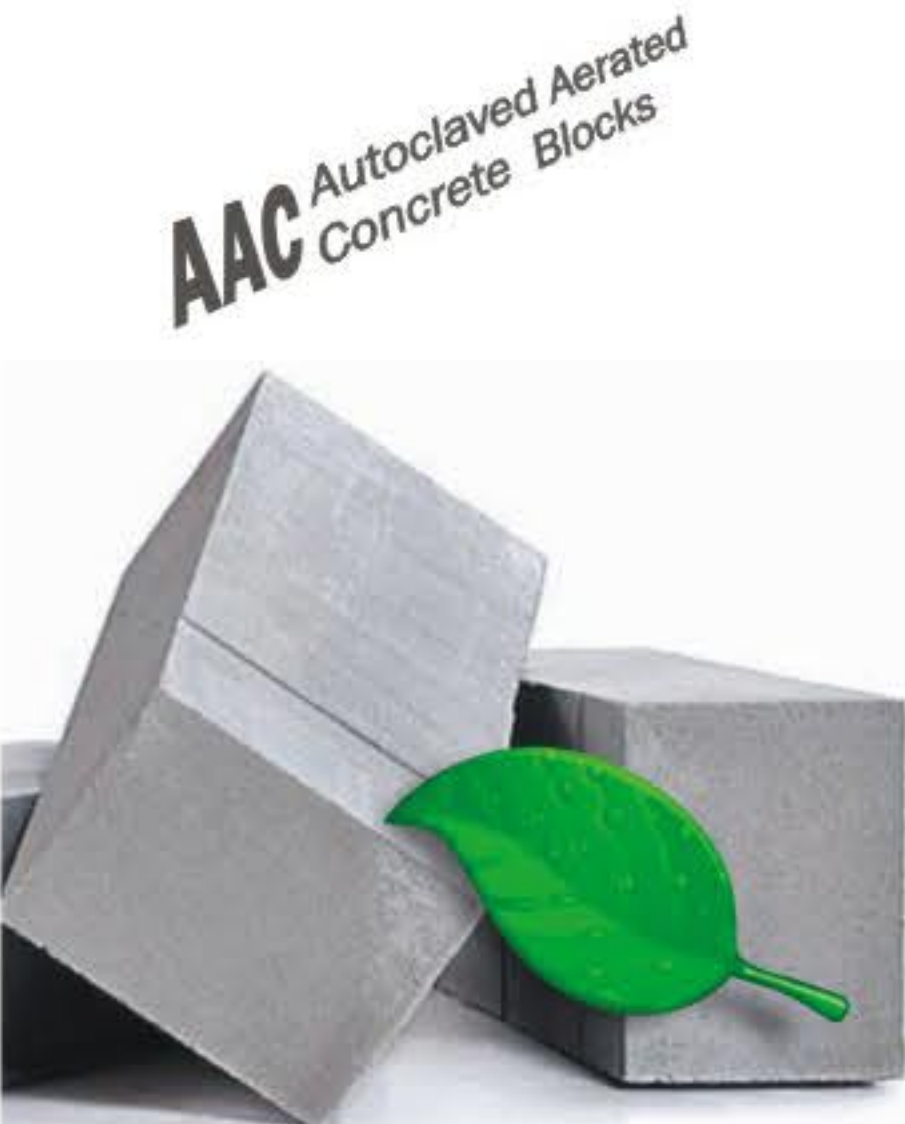
Application & Areas

- Non Load Bearing Structure
- Internal and External Walls
- Cavity Walls
- Fire Rated Applications
- Sound Insulated Walls
- Ideal for Schools, Hotels, Hospitals, & I.T Parks
- Residential and Commercial Buildings



Kamcrete AAC - The New Era in construction

- Manufactured using Fly Ash, Cement, Lime & Aggregates
- Kamcrete AAC conforms to IS 2185 Part - 3
- An excellent substitute for Solid Blocks, Hollow Blocks, Red Clay Bricks, & Fly Ash Bricks



Our Kamcrete AAC Sizes

600mm(L) x 200mm(H)	Kgs
50 mm (2")	4
75 mm (3")	6
100 mm (4")	8
150 mm (6")	12
200 mm (8")	16
230 mm (9")	20
250 mm (10")	22
300 mm (12")	24

* actual weights may vary



Comparison between AAC Block, Concrete Block, & Clay Brick

PARAMETER	KAMCRETE AAC Block	Concrete Block	Clay Brick
Size (mm)	600 x 200 x 100-300	400 x 200 x 100-200	230 x 115 x 75
Variation in Dimensions	+/-1 mm	+/-3 mm	+/-5 mm
Compressive Strength (kg/cm ²)	30-50	40-50	25-30
Dry Density (kg/m ³)	550-600	1800	1950
Fire Resistance	4 - 6 Hours Depending on Thickness	4 Hours	2 Hours
Sound Reduction Index (db)	60 (db) for 200 mm Thick Wall	30 (db) for 200 mm Thick Wall	40 (db) for 230 mm Thick Wall
Thermal Conductivity W/m-k	0.12	0.51	0.81

A Comparative Analysis

PARAMETER	AUTOCLAVED AERATED CONCRETE	CELLULAR LIGHT - WEIGHT CONCRETE
Standard Size	☑ 600mm x 200mm	☒ 500mm x 200mm
Density (kg/m ³)	☑ 550-600 kg/m ³	☒ 800-1000 kg/m ³
Compressive Strength (N/mm ²)	☑ Minimum of 3 N/Sq.mm	☒ 1.5 - 2.5 N/Sq.mm
Dimensional Characteristics	☑ Dimensionally Accurate	☒ Dimensional Variation
Curing	☑ Autoclaves (Steam Curing)	☒ Normal (Manual Curing)
Pore Size and Distribution	☑ Small and Distributed	☒ Large
Drying Shrinkage	☑ Within IS limits	☒ No Consistency