

# AAC®

## WHERE

to apply AAC®  
products ?

AAC® blocks are produced from the common materials lime, sand, cement and water, and a small amount of rising agent. After mixing and molding, these blocks are then autoclaved under heat and pressure to create its unique properties. AAC® has excellent thermal insulation and acoustic absorption properties.

- *High Rise Buildings*
- *Residential Units*
- *Commercial Units*
- *Schools / Universities*
- *Shopping Malls*
- *Factories*
- *Hotels*
- *Hospitals*



External Wall

Lintel

External Wall

## ADVANTAGES :



Sound Resistant



Fire Resistant



Water Resistant



Pest Resistant



Cost Effective



Internal Wall



Thermal Comfort



Perfect Size



Impact Resistant



Lightweight



Durable



**4**  
**HOURS**  
**OF FIRE**  
**RESISTANCE**

**AAC®**

**AAC®**

A woman with brown hair tied in a bun is shown in profile, wrapped in a thick white blanket. She is holding a white mug with both hands. The background is a blurred indoor setting with a window and some furniture.

**AAC®**

BETTER  
**THERMAL**  
INSULATION



# **WEATHER RESISTANCE**

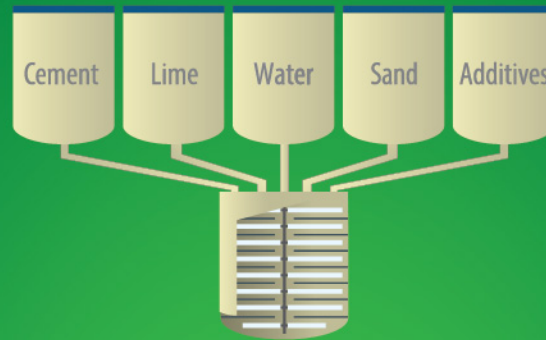
**AAC<sup>®</sup>**

AAC®

# BETTER **SOUND** INSULATION



# PRODUCTION PROCESS



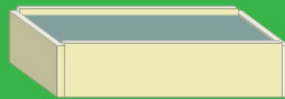
Formula Mixing

**1**



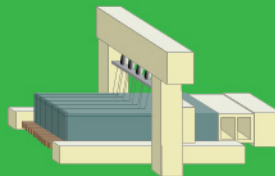
Casting

**2**



Expanding

**3**



Cutting Session

**4**



Autoclaving

**5**



Finished Product



# WHY is AAC<sup>®</sup> BETTER

## 1 ENVIRONMENT FRIENDLY

A **non-toxic product** which does not pollute the air, land or water. All wastes from the manufacturing process are recyclable and are reused.

## 2 GREEN BUILDING

AAC<sup>®</sup> Blocks **uses far less energy** to manufacture and because of its lightweight properties, it reduces the costs of transportation.

## 3 LONG LASTING

AAC<sup>®</sup> Blocks are highly superior in terms of its strength. The high level of strength in the blocks provide **higher stability**.

## 4 STRUCTURAL SAVING

AAC<sup>®</sup> blocks are very light, thus, it reduces the overall dead weight. These blocks also reduces the consumption of steel and **saves up to 25% of foundation costs**.

## 5 FASTER CONSTRUCTION

Installation time is **significantly reduced** due to fewer amounts of blocks, resulting in a reduced finishing time.

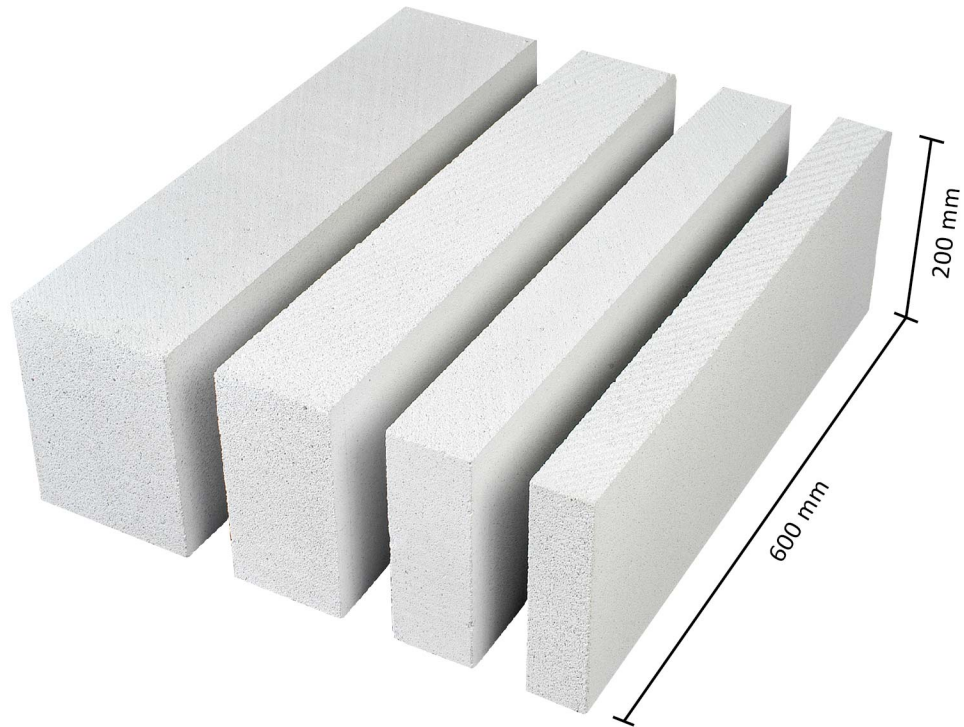


AAC®



SAVE UP TO **25%** OF FOUNDATION COST

# AAC<sup>®</sup> Block



## Applications:

- Internal & external walls
- Residential units
- Commercial units

## Autoclaved Aerated Concrete

AAC<sup>®</sup> blocks are Lightweight, Non-Load bearing, High-insulating, Durable building products, which are produced in a wide range of sizes and strengths.

One size of block is equivalent to seven(7) pieces of common bricks.

## Working dimension

Length x Height (mm)  
Blocks are available in  
600 x 200

## Strong Core3

Compressive Strength : **3.5 MPa**  
Nominal Dry Density : **500 ± 50kg/m<sup>3</sup>**  
Working Density : **700 ± 50kg/m<sup>3</sup>**

## Superb Core5

Compressive Strength : **5.5 MPa**  
Nominal Dry Density : **600 ± 50kg/m<sup>3</sup>**  
Working Density : **840 ± 50kg/m<sup>3</sup>**

## Packaging

| Length x Height (mm) | Thickness (mm) | Quantity per pallet | Weight (kg)  |              | Coverage per pallet |                |
|----------------------|----------------|---------------------|--------------|--------------|---------------------|----------------|
|                      |                |                     | Strong Core3 | Superb Core5 | m <sup>2</sup>      | m <sup>3</sup> |
| 600 x 200            | 50             | 360                 | 4            | 5            | 43.2                | 2.2            |
|                      | 75             | 240                 | 6            | 8            | 28.8                | 2.2            |
|                      | 100            | 180                 | 8            | 10           | 21.6                | 2.2            |
|                      | 125            | 144                 | 10           | 13           | 17.3                | 2.2            |
|                      | 150            | 120                 | 12           | 15           | 14.4                | 2.2            |
|                      | 175            | 96                  | 14           | 18           | 11.5                | 2              |
|                      | 200            | 84                  | 16           | 20           | 10.1                | 2              |
|                      | 225            | 72                  | 18           | 23           | 8.6                 | 1.9            |
|                      | 250            | 72                  | 20           | 25           | 8.6                 | 2.2            |
|                      | 300            | 60                  | 24           | 30           | 7.2                 | 2.2            |

Note :

1.The information above is subject to changes.

2.The information above should not be used for calculating transportation weight and volume.



# AAC<sup>®</sup>

## Tools & Accessories



Mixing Container



Hand Drill



Wall chaser



Notched Trowel



Standard  
Masonry Trowel



Column /  
Beam Soffit Tie



Fiber Mesh



Measurement Tape



Sanding Float



Tungsten Carbide  
Tipped Hand Saw



Stirrer



Spirit Level



Rubber Mallet