

# Revolutionize Construction with **AAC BLOCKS**

“Lightweight  
Durable  
Eco-Friendly  
Energy-Efficient  
& Build Green  
Building  
Solutions”



## Alaska

— AAC BLOCKS —

**BUILD BLOCK COMPANY**



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**BUILD BLOCK COMPANY**

## Alaska

— AAC BLOCKS —

WHERE YOUR  
**HOME BEGINS**

### AAC BLOCKS

Future of Smart Construction.



“Lightweight, Durable, Eco-Friendly and  
Energy-Efficient, Build Green Building Solutions.”

# What Are AAC Blocks?

Autoclaved Aerated Concrete (AAC) block is a low-maintenance precast building material with excellent thermal insulation and durability. The heat-insulating properties of AAC blocks keep the building cooler and prevent outside heat from entering, resulting in significant savings on air conditioning costs.

## Applications of AAC Blocks:

- Residential Projects
- Commercial Buildings
- Industrial Facilities
- Educational Institutions
- School Buildings
- Homes



## AAC BLOCKS vs. RED BRICKS

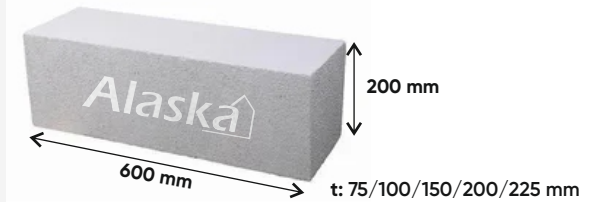
| FEATURE              | AAC BLOCKS  | RED BRICKS  |
|----------------------|---|---|
| Material             | Autoclaved Aerated Concrete (AAC)                                 | Clay  |
| Weight               | Lightweight (about 50% lighter than red bricks)                   | Heavy   |
| Strength             | High compressive strength   | Comparatively lower strength                                    |
| Size                 | Larger in size (reduces the number of joints)                     | Smaller in size   |
| Thermal Insulation   | Excellent insulation; reduces cooling and heating costs.          | Poor insulation; allows heat transfer easily.                   |
| Sound Insulation     | High soundproofing capacity.                                      | Lower soundproofing capacity.                                   |
| Water Absorption     | Low (reduces dampness issues)                                     | High (absorbs more water)                                       |
| Construction Speed   | Faster (due to larger size & ease of handling)                    | Slower  |
| Labour Cost          | Lower (requires fewer bricks & less mortar)                       | Higher  |
| Environmental Impact | Eco-friendly (made from industrial waste & requires less energy). | Not eco-friendly (involves topsoil depletion & high energy use) |
| Fire Resistance      | Highly fire-resistant   | Moderate fire resistance  |
| Pest Resistance      | Termite & pest resistant  | Susceptible to termite attacks                                  |
| Durability           | Long-lasting & weather resistant                                  | Prone to cracks & erosion                                       |

## SPECIFICATIONS

| Parameter                            | Unit                               | Values                                 |
|--------------------------------------|------------------------------------|--|
| Size                                 |                                    |  |
| Length                               | mm                                 | 600                                    |
| Height                               | mm                                 | 200, 250                               |
| Width                                | mm                                 | 100, 125, 150, 200, 225, 250, 300, 350 |
| Dry Density                          | Kg/m <sup>3</sup>                  | 550 - 650                              |
| Compressive Strength                 | N/mm <sup>2</sup>                  | 4 - 5 (Grade-1), 5' Premium Blocks     |
| Fire Resistance                      | Hours                              | 2 - 6                                  |
| Thermal Conductivity Range (K Value) | W/mk                               | 0.1 - 0.2                              |
| Drying Shrinkage                     | mm/m                               | Max. 0.20                              |
| Sound Absorption                     | db                                 | 40 - 45 for 200 mm wall                |
| Water Absorption Coefficient         | Kg/m <sup>2</sup> h <sup>0.5</sup> | 4 - 6                                  |

Special Features: Tongue - Groove Profile, Hand Grips\* Conforms to Relevant IS Standards: IS: 2185 (III) - 1984

\*at select plants only



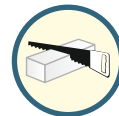
## SPEED STRENGTH SAFETY SAVINGS



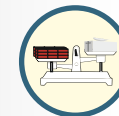
Cooler Walls



Eco Friendly



Workability



Less Weight



Fire Resistant



Termite Resistant



Earthquake Safe



Noise Reduction

