

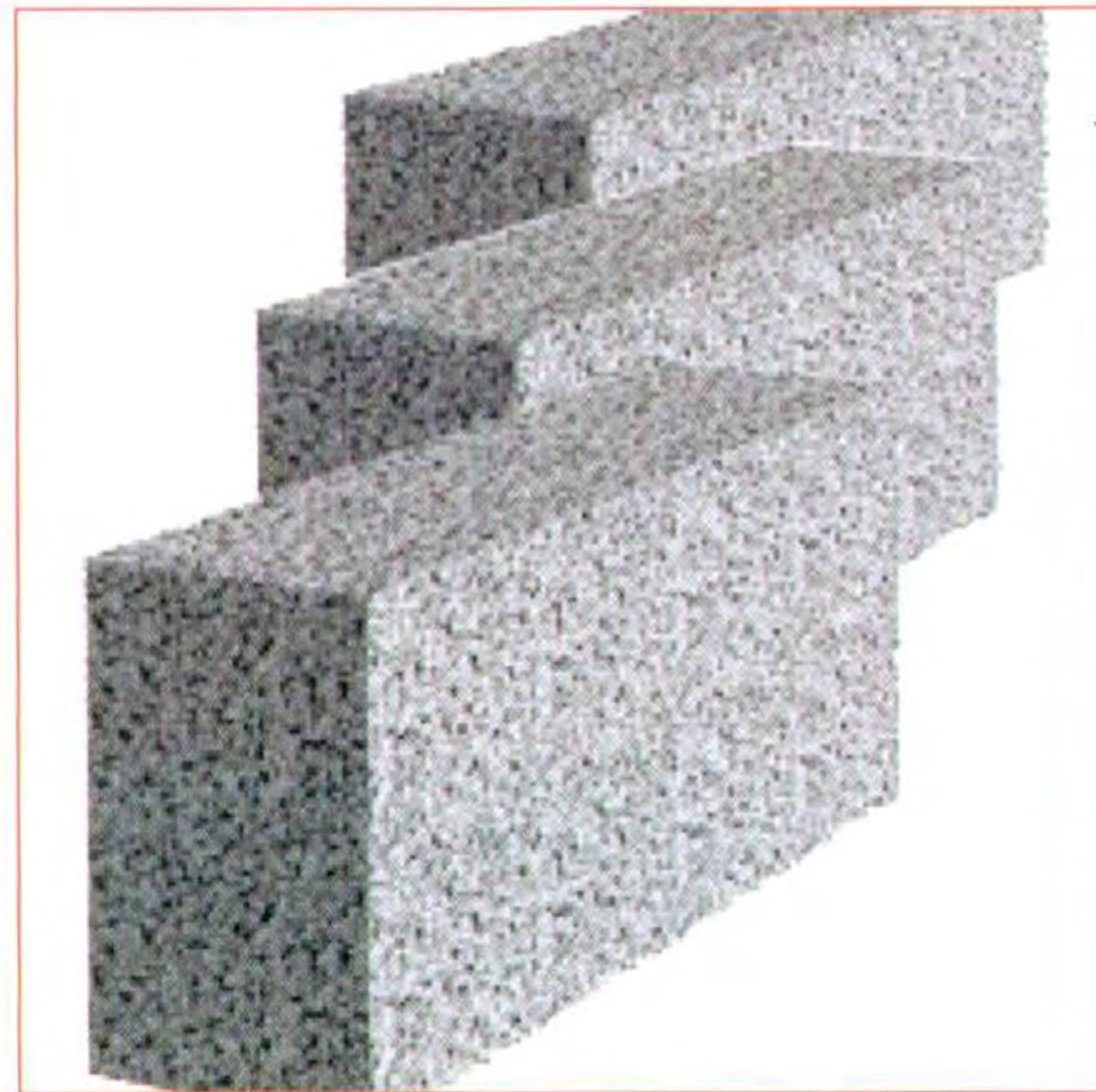
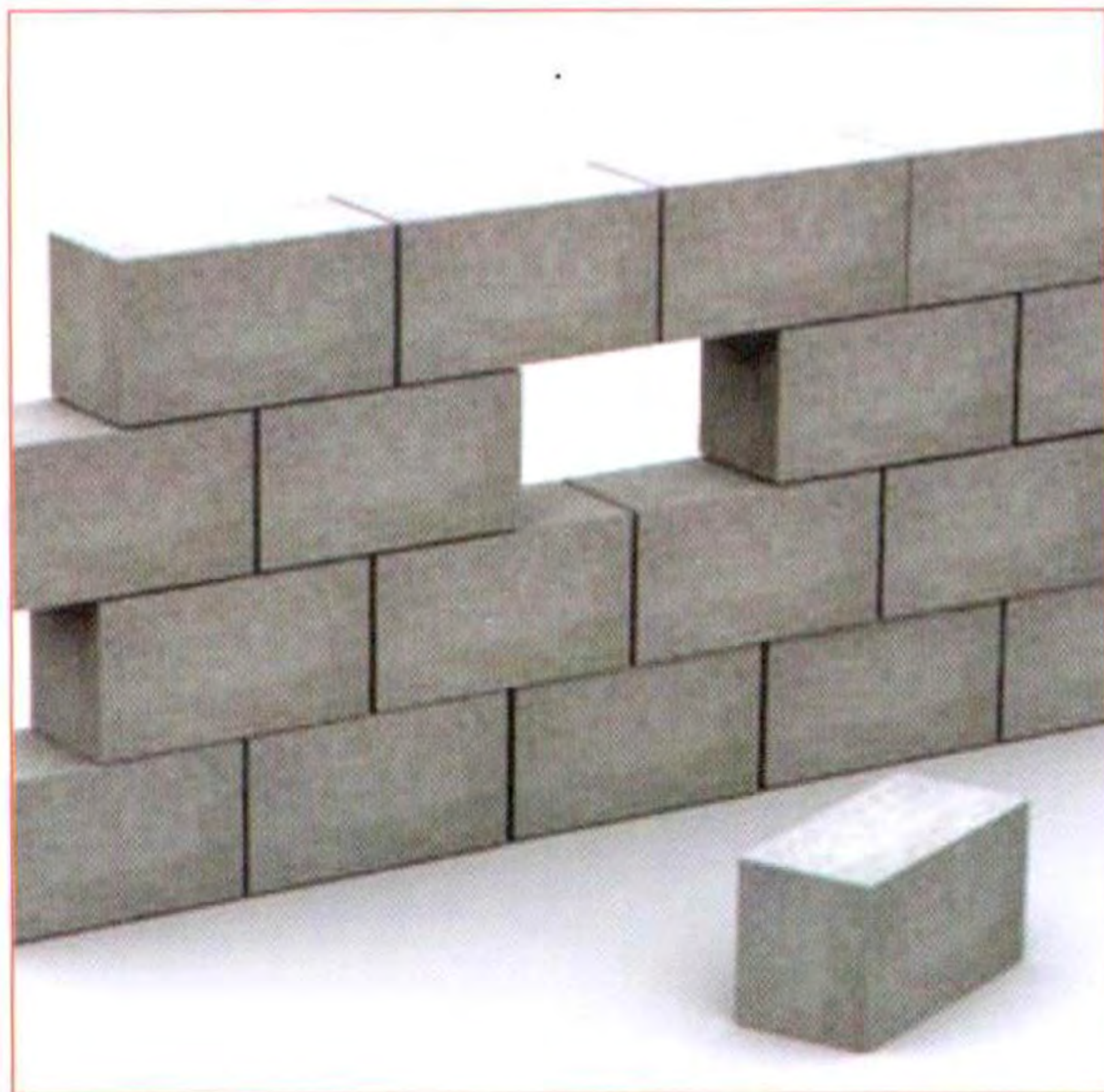
## — BLOCKS —

### SOLID CONCRETE BLOCKS

#### NOVA BLOCKS

#### SOLID CONCRETE BLOCKS (As IS2185 (part I) Table -2)

NO	SIZE	Weight Per Pcs/kg	Compressive Strength/MPA	Water Absorption	Density/Kg/m <sup>3</sup>
1	390 X 190 X 90	15.300	11.13	4.33	2242
2	390 X 190 X 140	25.664	14.48	4.16	2242
3	390 X 190 X 190	31.115	11.03	4.07	2242





INNOVATION & STRENGTH

— BLOCKS —



“Redefining Innovation,  
Unblocking Possibilities



Recons Group is presenting new edge light weight blocks named as **Nova Blocks**. It is smart product with lots of advantages over traditional Bricks. **Nova Blocks** are a lightweight Autoclaved Aerated Concrete (**A.A.C.**) blocks which are completely cured, inert and stable form of calcium silicate hydrate.

### Nova ACC Blocks Has Many Advantages Over Traditional Bricks As Mentioned:

**Light Weight:-** Nova Blocks has density of about 33% than traditional bricks and cement blocks and hence it reduces the dead load on RCC structure. If designed from foundation than it can do lots of steel savings and cost saving.

**Economical:-** Nova Block is a very economical material it not only saves Mortar due to bigger in size but also saves labour cost. It does not need of 2 coat cement plaster on walls.

**Fire Resistant:-** Nova Blocks are inorganic and totally fire incombustible. It is made up of flyash, lime and gypsum hence having inherent property of fire resistance upto 6 hrs for 200mm thick walls. Specially used any certain industry.

**High Durability:-** Nova Blocks are reasonably frost & sulfate resistant. It is 100 % Termite & Vermin Proof . It is inert & non-toxic substance and hence free from any chemical reaction due to climatic changes. It does not only enhance quality of construction but also the durability.

**Green Product:-** Nova Blocks are made up of 75-80% of flyash which leads to saving of environment. Allows accurate cutting that minimizes the generation of solid waste during use. It has very less water absorption compared to traditional bricks. It is 100% recyclable and Non toxic product and hence does not harm environment. A Truly Green Product.

**High Thermal Efficiency:-** Higher thermal insulation properties saves lots of electricity in the building by transferring the less amount of outside heat to inside and hence lesser load on air-conditioning system inside the building. It also generates sound proof environment in building.

**Easy To Use:-** Nova Block's last and most important advantage is that it is very easily workable, one can construct faster and better walls. And time is the essence of many projects in India.

#### Size:

The AAC blocks are available in various sizes and thickness as per customer's requirements.

#### Standard Sizes Are As Follows:

600 mm X 200 mm X Thickness ( 100 mm to 300mm with an increment of 50mm )

625mm X 240 mm X Thickness ( 100 mm to 300mm with an increment of 50mm )

625mm X 250 mm X Thickness ( 100 mm to 300mm with an increment of 50mm )

### Technical Specifications:- A.A.C

Properties	Values
• Density	• 550 – 650 Kg/m <sup>3</sup>
• Compressive Strength	• As IS 2185 Part (III)
• Thermal Conductivity	• 0.16 W / M deg K (Average)
• Resistant to Fire	• 2 – 6 hrs Depending upon Thickness
• Sound Reduction Index	• 37 – 49 db depending upon thickness