



JK LAKSHMI AAC BLOCKS SMARTBLOX

A SMART CHOICE FOR SMARTER PEOPLE



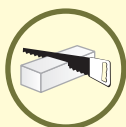
SPEED >> STRENGTH >> SAFETY >> SAVINGS



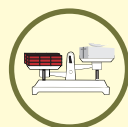
Cooler Walls



Eco Friendly



Workability



Less Weight



Fire Resistant



Termite Resistant



Earthquake Safe



Noise Reduction

- ✓ High Strength AAC Blocks
- ✓ Upto 3 Times Faster Construction
- ✓ Over 20% Energy Saving W.R.T. Bricks For Cooler Wall & Roof
- ✓ Upto 15% Saving of Steel
- ✓ Dimensionally Accurate
- ✓ More Carpet Area
- ✓ Light Weight
- ✓ Eco-friendly
- ✓ Easy to Work



*Conditions apply.

Ask for variants.

● Smart Blox ● Premium Blox

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 ³	550 - 650
Compressive Strength	N/mm ²	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 ² x h ^{0.5}	4 - 6

Special Features: Tongue - Groove Profile, Hand Grips*

Conforms to Relevant IS Standards: IS: 2185 (III) - 1984

*at select plants only

COMPARISON BETWEEN ALTERNATIVE WALLING MATERIALS

Parameter	JK Lakshmi AAC Blocks SmartBlox	Clay Bricks
Common Size (LxHxW) in mm	600 x 200 or 250 x 100 –350	230 x 75 x 115
Density (Kg/ m ³) Oven Dry	551 –650	1900 –2300
Precision (Tolerance) in mm	+/-3 to 5	+/-10 to 15
Thermal Insulation in W/ m-k	0.24 max	0.8125
Sound Insulation in dB	40 – 45 db for 200 mm wall	~ 40 db for 230 mm wall
Tongue – Groove Profile	Yes	No
Hand Grips	Yes	No
Green Building Points	Yes	No
Fire Resistance in Hours	2 to 6	2
Earthquake Resistance	Conform to seismic zone IV & V	Conditional
Termites & Pest Resistance	High	Low
Workability	Easy	Difficult
Manufacturing Process	Fully automatic	Fully manual
Wastage due to breakage	Negligible	10 –12%
Water Usage in construction	Low	High
Availability	Any time during the year	Seasonal