



ALCEN INDUSTRIES

AAC Blocks Manufacturing & Construction Material

Introduction

Alcen Industries established in the year 2019. And started its production and market operations in year 2020. This plant is located in Kedgaon industrial Estate, Nagar-Pune Road, Ahmednagar. This vision of the company was to develop the infrastructure quality with the high technical machinery in the ahmednagar District. We believe in trust and quality toward the customer. This product is ecofriendly toward the environment. We believe in timely & quality delivery to the clients with the high distribution network.

The new age construction material

Alcen ACC blocks are the most cost effective and eco friendly as compared to Red clay bricks power ACC blocks have dimensions accuracy high strength perfect finish durability lightweight and are easily available in the market. Alcen ACC blocks are made of fly ash cement lime and other eration agents due to fly ash usage it says for tile fotile

Benefit of Alcen ACC blocks

- Highly Cost Effective
- Light Weight
- Environment Friendly
- Available In All Sizes
- Save Labour and Save Time
- Save Material
- Excellent Thermal Insulation Properties
- Water and Earthquake Resistant
- Easy Transportation
- Says Carpet Area
- No Need of Internal Plastic



Ready Mix Plaster

Cement best fibre reinforcement plastic plaster for external use

Advantages •

- Fibre Reinforced Crack Resistant •
- Lower Cost and Higher Quantity then Site Mix Plaster •
- Extended Working Time •
- Better Vocabulary then Filled Mixes thirst Saving Time and Labour Cost •
- Prolonged Part Life Zero Vestige •



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Project impact

Impact on project cost and material usage when power lit ACC blocks use are compare to Red clay bricks for fly ash bricks

Material	Saving of Material in %
Steel and Concrete	10%
Plastering Material	35%
Jointing Mortar	60%
Wastage	10%

Application of Alcen ACC blocks

Alcen ACC Blocks are best suited for construction of partition, Internal walls, External walls of residential, commercial, industrial, buildings, Malls, Multiplex, Institutional Buildings, Hotel, Hospitals, Airports, Factories, Apartment, Warehouses, Godowns and all high rise buildings

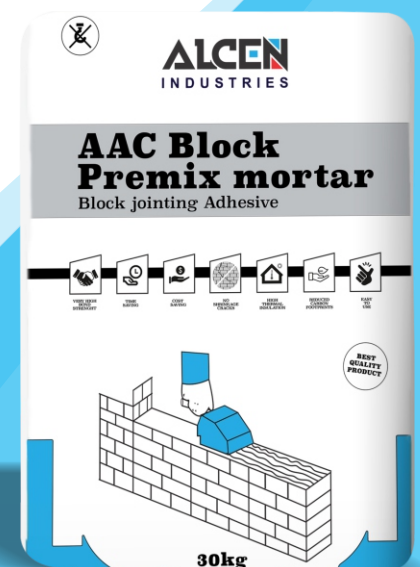
Available sizes

Size L x H x W	Volume CBM	No. of Blocks (Per CBM)	Face Area (Per Block In Sq. Ft.)
600 x 200 x 100	0.012	83.33	1.29
600 x 200 x 125	0.015	66.67	1.29
600 x 200 x 150	0.018	55.56	1.29
600 x 200 x 200	0.024	41.67	1.29
600 x 200 x 225	0.027	37.04	1.29
600 x 200 x 230	0.0276	36.23	1.29
625 x 240 x 100	0.015	66.67	1.61
600 x 240 x 125	0.01875	53.33	1.61
625 x 240 x 150	0.0225	44.44	1.61
625 x 240 x 200	0.03	33.33	1.61
625 x 240 x 225	0.03375	29.63	1.61
625 x 240 x 230	0.0345	28.98	1.61

Alcen Joining Mortar

- Easy to mix and saves water sand cement and time
- Minimum joint thickness as against in other material
- No water curing required
- No wastage
- Uniform quality and strength
- Easy to handle
- No special skills required
- Reasonable Price with good quality

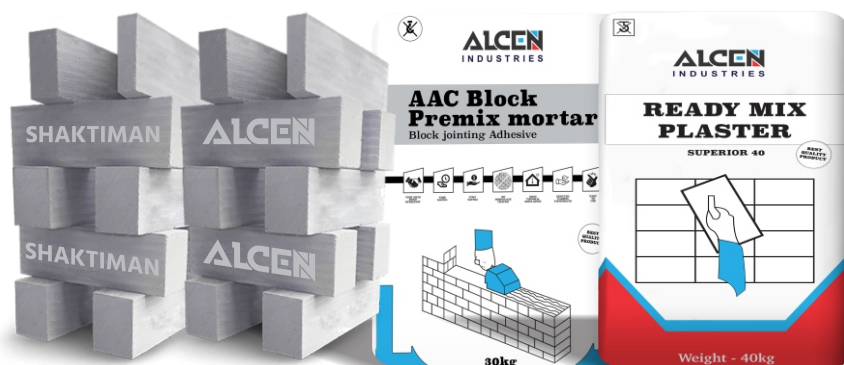
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ALCEN AAC Blocks vs. Clay Bricks

Particulars	AAC block	Clay bricks
• Size (L x H x B)	600mm x 200mm x 75mm-300mm	225mm x 75mm x 95mm
• Precision in size	Variation \pm 2mm	Variation \pm 2mm to 10mm
• Compressive Strength	3 - 4.0 N/mm (As per IS:2185 part III)	2.5 - 3.0 N/mm
• Dry Density	550-650 kg / m (oven fry)	1800 kg / m
• Fire Resistant	2 to 6 Hours depending on thickness	2 Hours
• Sound Reduction Index 1 (dB)	45 for 200 mm thick wall	50 for 230 mm thick wall
• Thermal Conductivity (Kw - m/C)	0.16	0.81
• Motor Consumption M3 with 1-6	0.5 bag of Cement	1.35 bag of Cement
• Chemical Composition	fly ash used around 70% which react with binders (lime and cement) to form AAC	Soil is used which contains many organic impurities like sulphate etc. resulting in efflorescence
• Finishing	Can be directly cut or shaped / scripture	not possible
• Contribution to carpet area	3-5%	not contribution
• Energy saving	Up to 30% of Air conditioning load reduction	no energy saving
• Cost benefit Factor	Saving upto 30% Sand, Cement, Labour and of Construction cost	no cost benefit

Diamond finish on both side health is her plaster is English





JOINT VENTURE



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