

VEGAD AAC
Products Pvt. Ltd.

www.silvercrete.in



SilverCrete
AAC BLOCK



Lightweight



Eco-Friendly



Economical



High Strength



Quality Is Our Strength

SilverCrete

is in the approved material list of
M.P. PIU PWD, M.P. Housing Board
and other government departments.

AAC block is the most
eco-friendly product
in the construction industry
benefiting its users in
quality and cost.



About Us

VEGAD AAC PRODUCTS PVT. LTD. is manufacturer of lightweight concrete, AAC (Autoclaved Aerated Concrete) Blocks, a technology that is defining the construction industry in present times.

SilverCrete (AAC block) assists in building homes in a better, faster and cheaper way.

We have a state-of-the-art manufacturing facility at Bargi, Jabalpur. Our unit has a designed capacity of 500 CBM per day. At present we are operational with 250 CBM per day. This makes us one among the topmost manufacturing unit of AAC Blocks in the region.

We have more than 30 years of experience in manufacturing and handling pre-stressed cement concrete product, PCC Poles.



Benefits of AAC Block



- **Economical:** Being **lightweight** it reduces the deadweight of the buildings thereby saves substantial structural cost (**approximately 15-20%**).
- **Saves labor:** Wall construction becomes **faster** due to its **lightweight** and **large size**. It saves labor cost (**around 15%**) and is very easy to handle.
- **Improved thermal efficiency:** Due to its aerated nature, it **reduces the cooling load in buildings by almost 30%**. It also helps in keeping the buildings relatively warmer in winters.
- **Saves Mortar:** Uniformity and accuracy in its size require **less plastering material** and being large-sized it requires very **less joining material**. This leads to around **70% saving in mortar** in wall construction.



Benefits of AAC Block



- **No water seepage:** Absence of capillaries (no capillary action) due to air pockets, AAC block does not allow water seepage from ground, and also from exterior to interior of wall. It also has a **lower water absorption ratio** (Max. 20%).



- **Long lasting:** The life of this material is extended because it is **not affected by harsh climates or extreme weather changes.**

- **Eco-friendly:** The very nature of the product (utilizing **recyclable material- fly ash**), its production process (**approx. 50% less greenhouse gas emission**) and method of application have **minimum environmental impact.**
- **Earthquake protection:** During earthquake chance of a building collapse is proportional to building's weight. AAC blocks substantially **lower the chances of collapse** as it reduces the dead weight of the building.



- **Fire resistant:** It also has **superior fire resistance** than clay brick.
- **Non-toxic:** There are no toxic gases or other toxic substances in autoclaved aerated concrete. **It doesn't attract rodents or other pests.**

Specifications

	Size Length x Height x Width	Volume per Block	Approx Weight per Block	Blocks per M ³
1.	600mm x 200mm x 100mm (4")	0.0120 M ³	8.0 kg	83.33
2.	600mm x 200mm x 125mm (5")	0.0150 M ³	10.0 kg	66.67
3.	600mm x 200mm x 150mm (6")	0.0180 M ³	12.2 kg	55.56
4.	600mm x 200mm x 200mm (8")	0.0240 M ³	16.5 kg	41.67
5.	600mm x 200mm x 230mm (9")	0.0276 M ³	19.0 kg	36.23

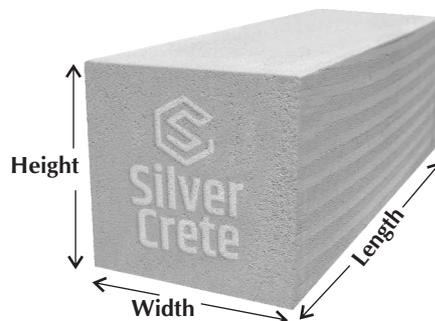


SilverCrete Stack-Yard

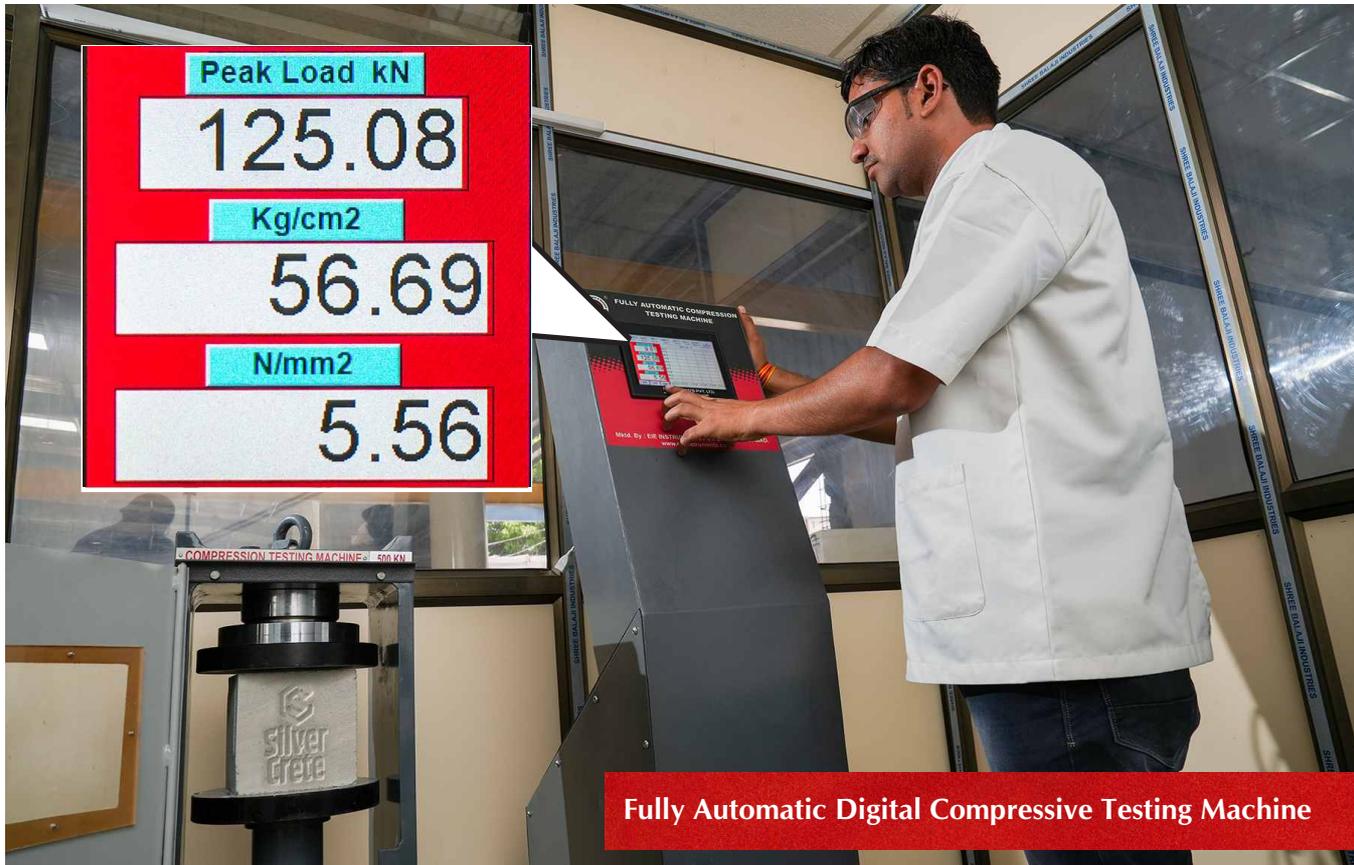
Specification Standard

IS 2185 (Part III) and testing standard as IS-6441 only. Application code reference : IS-6041.

	Parameters	Specifications
1.	Density	551-650 kg/m ³
2.	Compressive Strength	40kg/cm ² -50kg/cm ²
3.	Fire Resistance	2-4 hours
4.	Sound Reduction Index (db)	45 dB
5.	Thermal Conductivity	0.16 w/m ⁰ k
6.	Colour	Greyish White



Quality is Our Strength



Fully Automatic Digital Compressive Testing Machine



Lab Instruments calibrated by
NABL Accredited Agency



Each lot tested for its
Compressive Strength & Density

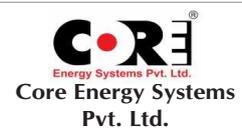
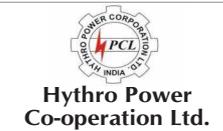


State-of-the-art Manufacturing Facility



Our Clients (PCC Poles)

Pre-stressed Cement Concrete Poles are used for rural electrification.





VEGAD AAC
Products Pvt. Ltd.

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