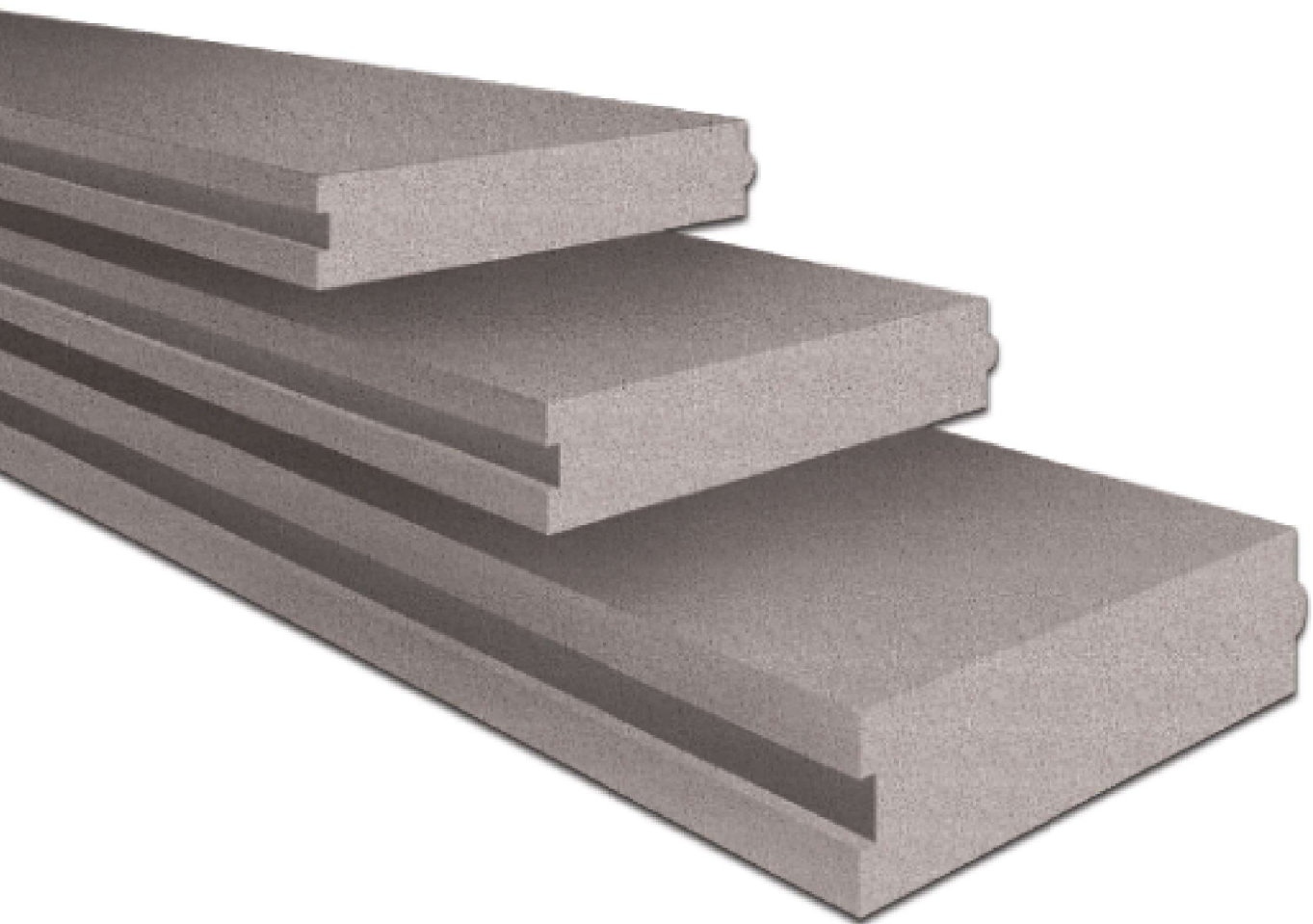


AERAFORM

SLABS &
WALL PANELS



AERAFORM® SLABS & PANELS

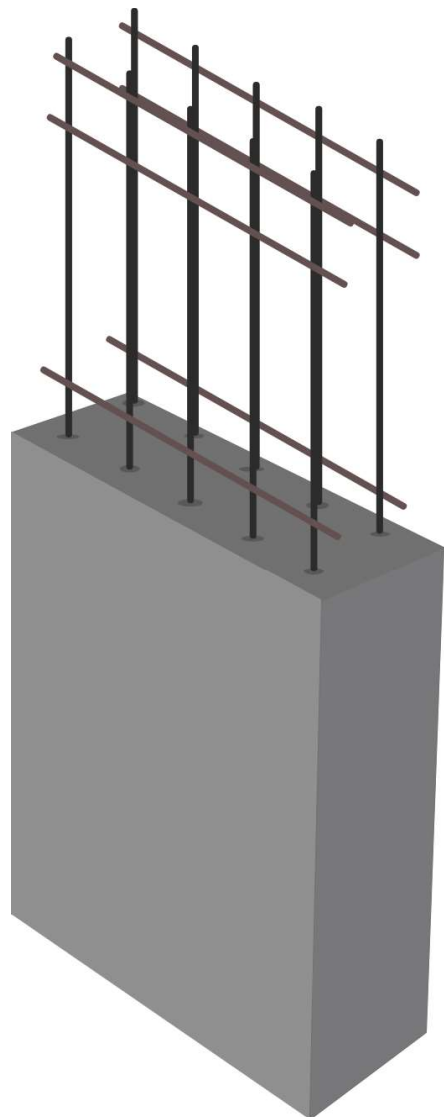
Aeraform floor/roof slabs and wall panels are monolithic steel reinforced Autoclaved Aerated Concrete elements. Slabs can be used as an alternative to the in situ concrete slabs on RCC/steel framed structures, preventing wastage of raw material.

These slabs can be used as floor/roof simply supported slabs on load-bearing walls, wood, concrete or steel beams.

Wall panels are reinforced units, for non-load bearing applications as either external or internal walls in a wide variety of low, medium and high rise buildings.

They can also be used as cladding for steel or concrete framed structures. They may have single mesh or double mesh reinforcements depending on the client's requirements.

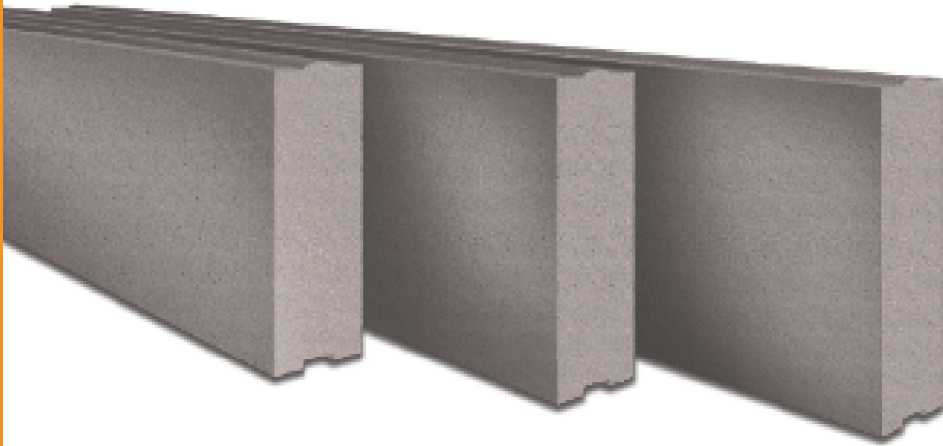
AAC slabs / panels are created with modern technology devised to tackle the issues like higher costs and more time consumption during construction. These precast slabs come in the form of ready to use Roof / Floor slabs.



Make A Smarter Choice Today!

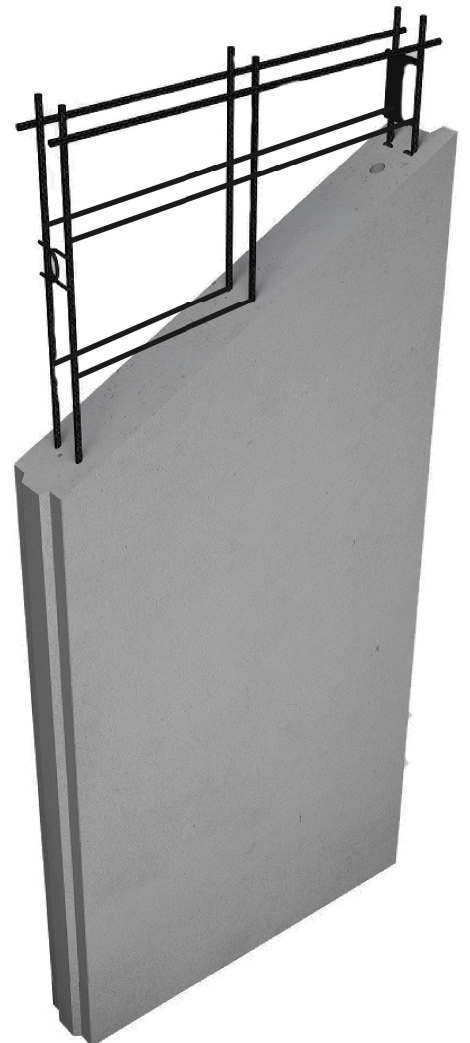
Panels can be used as horizontal and vertical wall panels which minimize the usage of different materials and saves construction time making it the fastest, most cost effective material for construction.

These Floor / Roof slabs and wall panels do not require any kind of shuttering and curing. Thus, dry construction and saving water and makes it a green construction.



Aeraform® slabs / panels are processed according to the predefined sizes by actual site measurement given by clients. It is convenient to install in a simple process, greatly shortening the construction period and near "zero" wastage.

Provides a comfortable and pleasant environment inside the building, with lower heating and cooling costs throughout the life span of a building.



Properties

The best you can get.



Lightweight

Lightweight property of Aeraform® results in reducing the foundation loads which leads to big savings in the overall construction cost especially at areas having poor soil bearing capacity.



Durability

Aeraform® products do not contain any organic matter subject to deterioration. It does not degrade even under severe weather conditions. It can also be reused being modular in nature and has a good salvage value.



Non-toxic

Aeraform® itself is ecologically harmless and VOC free, since it neither contains gases nor fibers, it is neither dangerous to ground-water nor does it release any radiation or fumes.



Acoustic Insulation

Aeraform® meets the appropriate standards for sound insulation in house building, which means quieter and more comfortable interior.



Earthquake Resistant

The low mass of Aeraform® results to reduced total dead load of the building and consequently reducing the applied seismic forces to its structure.



Pest Resistant

Aeraform® provides airtight interior, does not contain any organic ingredient and termite free that makes your home uninviting to pest, insects or rodents.



Colour, Texture

Aeraform® is greyish white with even surface.

Advantages



Fast construction process, improving efficiency and quality.



Reduced structural cost due to lighter weight.



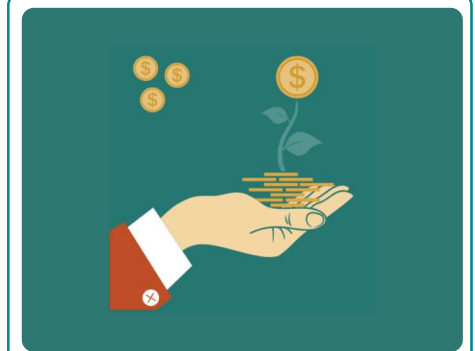
Light weight, easy to install. High strength to weight ratio.



No shuttering and curing needed, saving water.



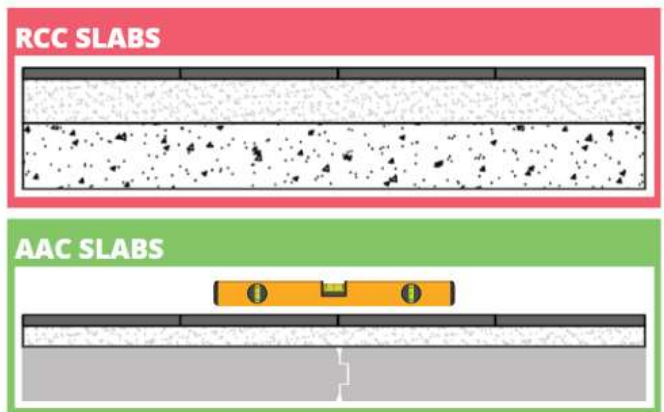
Low density compared to concrete, good thermal and sound insulation.



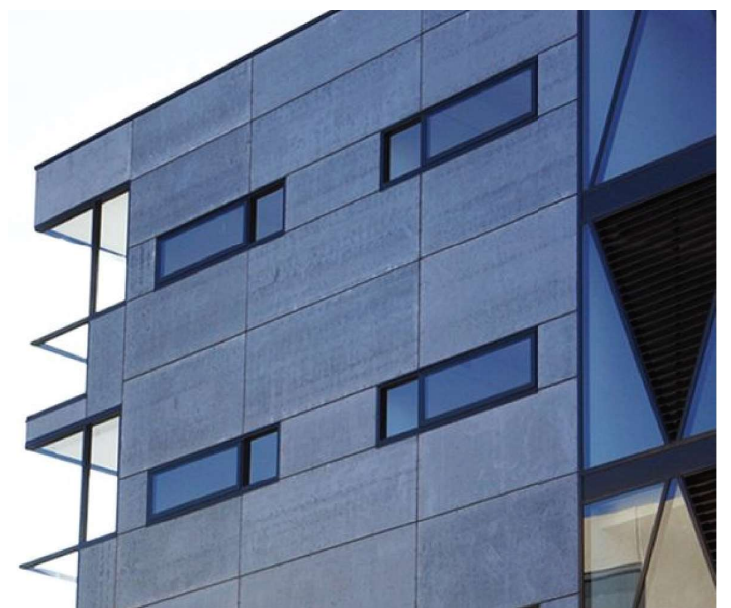
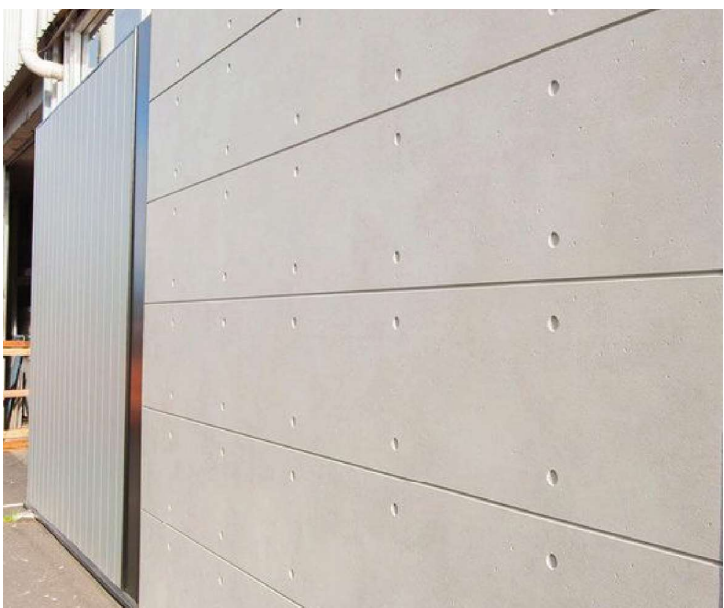
Expansion of construction is easier with the lowest addition in the overall budget.



Regains its shape even after permissible deflection limits.



Being uniform floor area, reduces the quantity for bedding material for tiles. Thereby reducing the dead weight on slab & reduces cost of bedding material.



Applications



Industries & Factories



Residential Bungalows



Warehouse, Cold Storages



Office Buildings



Hotels And Restaurants



Theatres, Auditoriums

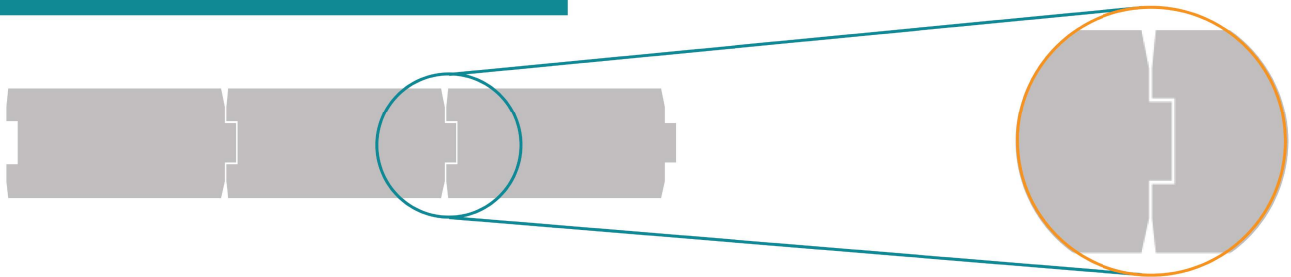


Educational Institutions



Hospitals

Tongue & Groove For Locking Slabs



Technical Specifications Aeraform® Slabs

Length	Width	Thickness
Upto 4m	600mm	100-230mm

Drying shrinkage	0.09%	Compressive strength	3.5 N/mm ²
Thermal conductivity	0.21K cal/m/h/°C	Dry density	640 kg/m ³
Design load	200kg/m ² (live load) and can be designed for higher loads depending upon span and its use.		

Technical Specifications Aeraform® Wall Panels

Compressive strength	Dry density	Drying shrinkage	Thermal conductivity
3.5 N/mm ²	640 kg/m ³	0.09%	0.21K cal/m/h/°C

Thickness	3"	4"	5"	6"	8"
Max. Length	3m	4m	4m	4.8m	4.8m

BIS Specification

For Aeraform® Slabs and Panels

BIS 6072

Specification for autoclaved reinforced cellular concrete wall slabs.

BIS 6441

Methods of test for autoclaved cellular concrete products. Part 1,2,3,4,5,6 & 8

BIS 6073

Specification for autoclaved reinforced cellular concrete floor and roof slabs.



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