



Biltech – Siporex Slab :

maximum superimposed load:
500 Kg/m².

Size =
Length= 1m to 4m
Width= 100,125,150,
200,250,300 mm

PROPERTIES	VALUES
Oven Dry Density	640 kg/m ³
Bending Compression	15 kg/cm ²
Shear Strength	15 - 30% of Comp. Strength
Modulus of Elasticity	2.64 kN/mm ²
Thermal Conductivity	0.11 - 0.17 W/m ² °C



Applications

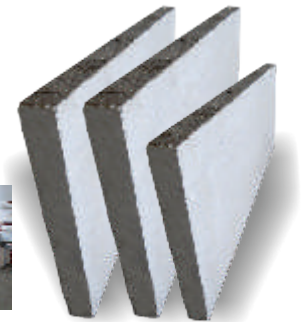
- Floor & roof slabs for building, (Extension and TDR work)
- Mezzanine floors work at factory, commercial, residential buildings
- Covering the open balconies and chajja
- Duct covering
- Industrial / Bungalows / Commercial / Residential Roofs
- Roof of security cabins / toilets

Biltech – Siporex Wall Panel :

maximum wind load:
100 kg/m²
for single reinforcement &
200 kg/m²
for double reinforcement

Size =
Length= 1m to 3m
Width=600mm
Thickness= 100,125,150,200mm

PROPERTIES	VALUES
Oven Dry Density	640 kg/m ³
Shear Strength	15 - 30% of Comp. Strength
Modulus of Elasticity	2.64 kN/mm ²
Thermal Conductivity	0.11 - 0.17 W/m ² °C



Applications

- Partition Walls for Offices, Commercial Complex, Multiplex,
- Industries & Residential buildings.
- Construction of Cabins & Cubicles.
- In the construction of bungalows & storages
- For the construction of Bank & ATMs as it provide added safety

Biltech – Siporex Lintel :

maximum superimposed load:
100 kg/m.

Size =
Length= 1m to 2.5m,
width/Thickness=125,150mm

PROPERTIES	VALUES
Oven Dry Density	640 kg/m ³
Bending Compression	15 kg/cm ²
Shear Strength	15 - 30% of Comp. Strength
Modulus of Elasticity	2.64 kN/mm ²
Thermal Conductivity	0.11 - 0.17 W/m ² °C



Applications

- As reinforced support above windows and doors

Key Features:

Reinforced AAC Structure

Makes it more strong and durable

Patented Anticorrosion treatment of Reinforcements

2 coats of ACM(Anti-Corrosion Mix) and 1 coat of Inertol and it is evaluated by Central Building Research Institute(CBRI)

Unique Tongue and Groove design

Facilitates easy fitting and efficient sealing

Water repellent

As the silicon oil is added to the wet AAC mass

1/4th the weight of dense concrete

Advantages:

Time Saving

Unique Tongue and Groove mechanism which facilitates faster construction

High Strength to weight ratio

AAC has strength to weight ratio of 18 to 22 compared to M15 grade concrete having 16.

Sound Absorption

Excellent sound attenuation up to 45db with plaster

Energy efficient

Millions of tiny air cells created during manufacturing of AAC contributes to providing excellent insulation leading to savings in energy cost

Less Water Required

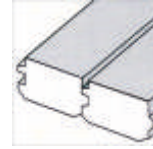
Facilitates neat and clean construction
A boon in water deficient areas.

Fire Resistant

AAC sinters (starts to melt) at 1300°C making it fire resistant up to 1200°C and up to 6 hours of direct exposure

Earthquake Resistant

Due to less inertia effect, structure built is less susceptible to earthquakes



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