

STRUCTURAL INSULATED PANELS (SIP)

SIP Panels can be used in a variety of different applications. Lamination under pressure with 100% adhesive coverage gives the panel its impressive strength characteristics. These panels combine the strength of a male/female joints & engineered to be used to construct walls, ceilings and floors.



PROPERTIES

They consist of rigid foam or rockwool insulation sandwiched between two structural skim surfaces such as Aluzink. Non fire rated walls have a Expanded Polystyrene Core or Polyurethan (PUR) core. Fire rated versions have high density Rockwool cores.

Typically, these panels are 1185mm wide with a thickness ranging from 40mm to 300mm. They are normally packed on pallets and can be unloaded in most situations using ordinary forklifts

AUTOCLAVED AERATED CONCRETE BLOCKS (AAC)

Autoclaved Aerated Concrete (AAC) is a lightweight, high-insulating, and durable building material widely used in residential, commercial, and industrial construction. Made from natural raw materials like sand, cement, lime, and gypsum, AAC is environmentally friendly, seismically resilient, and thermodynamically superior. With a market penetration of 60% in Germany & 40% in the UK, AAC is recognized as a certified "green" building material.



ADVANTAGES

- Dimensionally accurate
- Excellent thermal insulation
- Extremely lightweight
- High fire resistance - 2 hour fire rating
- Termite and Rodent resistant.
- Installation is 3 times faster
- Quicker and neater chasing of services

buildtec

