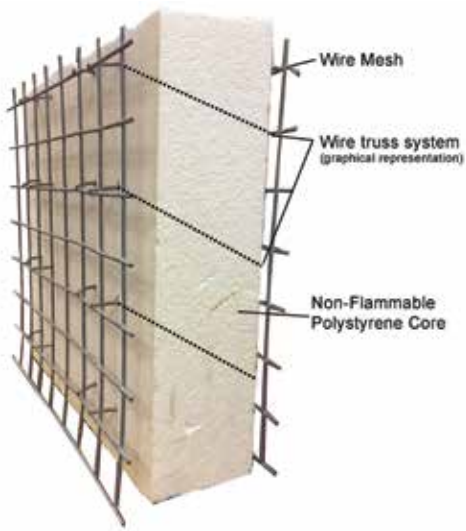


Strata 3D Panels

3-D Modular Panels for Construction





THE STRATA 3D® PANEL

The STRATA 3D® Panel consists of three-dimensional welded wire mesh, fitted with an expanded and non-flammable polystyrene core. The strength and rigidity of the panels result from inner diagonal truss wires welded to both mesh layers on each side.



CONSTRUCTION OPTIONS:

The Strata 3D Panels can be used to construct any type of building, including houses, luxury estates, multi-level condominiums, schools, hospitals, industrial parks and so on.

The panels can be used to construct the building in its entirety, or used in conjunction with other traditional building methods and materials. They can also be used as “filler” units in metal or concrete framing for industrial buildings.

BENEFITS OF USING PANELS

- Lighter weight and uniform materials easier to handle
- Construction time significantly reduced
- No formwork, beams or columns required
- High strength load-bearing walls, floor and roof
- Design flexibility
- Easy installation of utility wiring and piping
- Excellent thermal insulation
- Excellent sound/noise barrier
- Little to no timber required
- Long life cycle of buildings

STRENGTH IN SEVERE CONDITIONS

Structures constructed with 3D panels have been tested and proven to withstand hurricane speed winds and earthquake forces. The monolithic nature of the construction provides continuous, high stretch reinforcement and sealing against water ingress. The excellent thermal insulation is ideal for severe climate conditions.

SPECIFICATIONS

- Standard sizes & weights:
 - 4ft wide x 10ft long x 4in thick. 40lbs
 - 4ft wide x 20ft long x 4in thick. 80lbs
- Size Options:
 - Core thickness: 2in and 4in
 - Lengths: 8ft, 10ft, 20ft, 24ft, 30ft
- Complete thickness:
 - 2in core – 6in final
 - 4in core – 8in final
- Wire Mesh: 11 gauge
- Structural load: 78,000 lbs.

Constructing residential, commercial and industrial properties with Strata 3D Panels is a proven method of robust building, that results in measurable savings in time and money.



CONSTRUCTION WITH 3D PANELS

Construction with the 3D panels is uniquely different from traditional methods and offers numerous benefits. This “formless” technique is easy to learn and does not require highly skilled laborers. The lightweight panels can be handled and positioned by hand and easily shaped, sized and cut as required. They are joined, or clipped, together with mesh at the seams and corners and form architectural structures that are then coated with concrete wythes.

- Will not bend or buckle under load
- Simple bracing holds in place
- Rebar secures to the foundation
- Easily cut and shaped for specific architectural designs and inclusion of windows and doors
- Allow for quick installation of utility wiring and plumbing

Concrete is applied once the entire structure is complete and the thickness is dependent on the local code requirements. It can be applied manually or sprayed with either wet or dry-mix methods. The truss system of the panels secures the polystyrene core, preventing shifting under the high pressure of the sprayed concrete.

Concrete surfaces can be troweled smooth or stamped for custom designs. Additional facades added as desired.





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