



ECO-PANEL

The ECO-PANEL system was developed primarily for use in the home construction industry.

ECO-PANEL - Building Panel Product:

The ECO-PANEL system is used in the construction of walls, floors, and roofs. Its versatility has many advantages in the construction industry. One of the primary advantages is architectural design flexibility in straight, curved or angled walls. The Panel System can be engineered to meet any architectural design allowing its designer to effectively use the same material in both load bearing and non-load bearing applications for single or multi-story buildings.

The ECO-PANEL consists of welded steel wire reinforcing, foam core insulation, and Portland Cement Plaster on each face. The Panels incorporate a three-dimensional welded wire space frame utilizing a true truss design for strength and stiffness. Each face of the Panel has a welded mesh of 2"x2". Individually welded internal truss wires extend through the panel core between each face. These truss wires form a reinforcing matrix within the panel core. The foam core that is used attributes to the panel's thermal and sound insulating features. Panels can also be fabricated without the foam core for use in a different application.

The light weight panels are erected and wire-tied to form the desired structure. The panels are very rigid and easy to handle on site; they are easily cut to the required size. After the panels are erected, the required plaster thickness is applied. This is normally 1" in thickness of 2000 PSI Portland Cement Plaster. The plaster surface may be applied by hand, plaster gun, or Shotcrete. The resulting structure is a monolithic reinforced concrete building that is resistant to all known forces.





ECO-PANEL - Three Products, One System:

1. Tier one product is used in the fabrication of Residential Single Family Dwellings (SFD), Commercial structures, multi-story structures. Polystyrene core provides thermal and sound insulating features to human structure.



2. Tier two product is used in the erection of barriers, IE walls / sound barrier walls. Again Polystyrene core is used to provides sound insulating features.



3. Final and third tier is for landscape, green minded, and additional insulating facial appearance. This is where the 3-dimensional welded wire Truss / Mesh web assembly is made without the Polystyrene core.

