

Pre-Engineered Structures

ACTScsi's pre-engineered, flexible designs along with the highest quality materials ensure building at the best price in the fastest timeframe. The ACTScsi construction process is patented and the CerarMix™ technology creates structures of unparalleled strength and durability that far exceed buildings made out of conventional materials.

ACTScsi designs its structures for ultimate flexibility, offering more options for an even more efficient usage of space.

Take a look at the various components that make-up a CerarMix™ Housing structure:

- **Steel Frame:** The structure uses the same engineering specifications as a shipping container used for overseas transport. The frame consists of Galvalume steel which is coated with an Aluminum and Zinc alloy that inhibits the possibility of rust
- **Premium Insulation:** ACTScsi's first choice of material for insulation is ultra high density Styrofoam which contains no chloro-flouro carbons (CFCs) and no formaldehyde. Bio-fiber is created from rapidly renewable agricultural resources, indigenous to a specific region of the world may also be used for insulation .
- **Interior Walls:** Internal walls are 4.5" thick and may be added to define space. These moveable walls are attached by means of a tongue and groove channel or slotted system.
- **Electrical:** An electric panel with circuit breakers can be designed into the structure and is specific to the region or country, voltage requirements, and local building and electrical codes. Cable, Internet, telephone and sound, etc. can also be pre-wired into the structure.
- **Plumbing and Waste Disposal:** Numerous plumbing and waste disposal options can be used in accordance with building codes for a specific region. Options may include compost toilet with a water recycling system, a septic tank hook up, or a store and purge tank similar to RVs that would require periodical pumping or dumping.
- **HVAC:** With the use of the patented CerarMix™ technology and premium insulation, ACTScsi's structures are less dependent on traditional HVAC systems.
- **Solar:** A Solar electrical system includes a battery storage system, a converter as specified for the region, and a breaker control box. Heating, cooling, lights, and air conditioning can be run off the solar system.
- **Exterior Cladding:** Exterior finishes can be virtually any choice available to traditional construction including aluminum, smart-panel, wood siding, cement panel, stone aggregate, brick (vener, stone veneer, vinyl siding (vertical or horizontal), cedar, limestone, pre-cast, stucco, slate, and even concrete block.
- **Roof Pitch Kit:** Roof kits are specifically engineered to fit a structure's dimensions and contain all of the components necessary to meet all local building codes.
- **Storm Panels:** CerarMix™ Housing storm panels are comprised of the same materials as the structure itself and are engineered to fit a structure's window and door dimensions.
- **Anchoring:** CerarMix™ Housing structures are engineered to withstand winds of 185 mph. To secure a structure against shifting during severe windstorms, and to add structural strength, ACTScsi offers a system of ground anchors. These anchors take only minutes to install and they adjust, in seconds, to the exact height of the structure .
- **Millwork:** Interior and exterior walls of the CerarMix™ Housing Structure are 4.5 " thick to accommodate standard millwork from the manufacturers of window s, doors, skylights, and other after-market enhancements.
- **Windows:** CerarMix™ Housing Structures accommodate aluminum, vinyl, wood, or steel windows. Windows may be vertical slide or double hung, horizontal slide, awning, crank-out, fixed or glass block. Window Glass can be single pane or double insulated .
- **Doors:** The doors for your CerarMix™ Housing Structures can be virtually any choice available for traditional construction including insulated hollow metal, aluminum glass storefront, solid core wood, vinyl clad, aluminum, French, and hollow core wood.
- **Trim:** When it comes to trim ideas, virtually any choice available to traditional construction can be used in an CerarMix™ Housing Structures including baseboards, casings, crown moldings, and railings.

Other Amenities

A CerarMix™ Housing Structures can be equipped inside and out with ramps, steps, safety rails, decks, building services, security systems and even furniture and fixtures.



www.ACTScsi.com

info@ACTScsi.com

800.444.0880

Manufacturing and
Assembly:

1224 Pecan Ave.
Philadelphia, MS
39350