



What Does It Take to Make a GlasMasters Box?

All GlasMasters Boxes are made using Polymer Concrete in combination with Fiberglass to provide a high strength, lightweight enclosure.

Polymer Concrete is a mixture of thermoset resin, aggregates and fiberglass reinforcement. Polymer Concrete is much stronger than traditional concrete

with a fraction of the weight. Unlike traditional precast concrete, polymer concrete will not absorb water and become brittle, which has been a major problem with enclosures in the past.

Fiberglass is material made by applying polyester resin and catalyst to a fiberglass reinforcing mat. The result is a very strong, durable material that will not undergo plastic deformation. Over the years, many plastic enclosures made from high-density polyethylene have been used. These plastic enclosures are often much more flexible than fiberglass and deform far more than allowable under current industry standards. This often leads to a crushed meter or a cave-in which could possibly expose dangerous electrical wiring. Plastic is also highly susceptible to ultraviolet rays (UV) from direct sunlight.

Benefits of Polymer Concrete

High Strength

4X stronger than traditional precast concrete

Light Weight

3X lighter than traditional precast concrete

Non-Absorbent

Which causes concrete to become brittle

Stable Under Freeze / Thaw

Unlike plastic and precast concrete

Non-Conductive

Necessary for electrical connections

Corrosion Resistant

Will not deteriorate in most environments

