

# FIBER-REINFORCED COMPOSITE WALL AND BRACING SYSTEM

EXCLUSIVELY FEATURING PATENTED TECHNOLOGIES NOT AVAILABLE IN POLYMER



Scientist, lab technicians, and product engineers together created Fuzion 5010 by combining advanced material technology with AutoCad Inventor 3D computer product design technology. Partnering in the development of the Fuzion 5010 retaining wall system, the product engineers worked hand in hand with the material technicians using Computer Added Finite Element Analysis modeling to determine the exact fiber reinforced composite material blends and the exact product design to maximize strength. The end result... The strongest, non-corrosive construction component wall and bracing system that has ever developed for the construction of swimming pools.

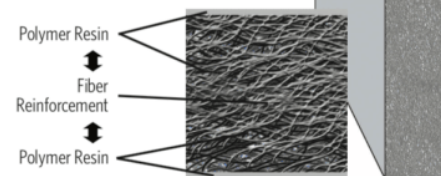


## Compare the Strength...Composite vs Structural Foam

### NEW TECHNOLOGY

#### Fuzion 5010 & GFR HP 2800 Highly Engineered Composite

- Structurally reinforced (fused fiber matrix resins)
- Extremely high strength-to-weight ratio
- High impact resistance, flexural & tensile strength
- Non-corrosive (won't oxidize, rot, or rust)
- Impossible to melt or re-shape after molding
- Non-reversible process
- Long lifespan



### OLD TECHNOLOGY

#### Structural Foam Polystyrene Plastic

- Low impact resistance, low flexural & low tensile strength
- Structurally reinforced using air pocket corrugation
- Thermoplastic material
- Good strength to weight ratio
- Non-corrosive
- Warps, bends, bows or deforms after molding with mild heat/cold
- Melts with extreme heat +300 degree

