

GLASS FIBER REINFORCED CONCRETE

GFRC is an extremely versatile material which Architects, Designers, and Engineers worldwide are utilizing to create the most ambitious designs. It can be molded to form modern futuristic shapes, or to create classical architectural features. With an almost unlimited range of shapes, colors, and textures, designers have unrivaled freedom to push the boundaries of modern construction using this innovative material.

Since its introduction in 1969, GFRC has matured and new polymer additives have been developed to meet the performance criteria required by the end user. GFRC material is a composite, comprised of cement, silica sand, water, polymer additives, and alkali resistant glass fiber. The unique make-up of this material is fire retardant, weather resistant, durable, environmentally friendly, lightweight, and incredibly strong. The high strength and flexural properties of glass fiber reinforced concrete make it an ideal material for very large panels as well as long architectural moldings and columns. Primarily used as an exterior façade or cladding material for both new construction and recladding or restoring existing historic building facades.

GFRC can be manufactured to replicate the look and feel of cast stone, architectural precast, as well as a vast range of natural cut stones at a fraction of the weight because it is fabricated with a minimal wall thickness. The reduction in weight provided by GFRC makes it faster and easier to install, and reduces the load on a buildings structure which enables the owner to reduce overall construction costs.

CGA Stoneworks GFRC is commonly used in conjunction with our architectural cast stone, replicating the approved finish, texture, and color range. The look and feel is indistinguishable, which provides our Clients with the advantage of using the best material for the application and achieving their intended design. While most GFRC manufacturers limit their production to GFRC cladding panels, we utilize our GFRC products in a wide range of architectural ornamentation including; cornices with an integrated gutter, entry cartouches, fireplace mantels, enormous columns, and even an ornate formal fountain bowl with a 16 foot diameter! At CGA Stoneworks, we pride ourselves on overcoming the unique challenges of your project, and delivering unsurpassed quality.

