

www.UMAGINE.hk



你想工程
UMAGINE
GRP • GRC • GRG



An Intriguing Window Into Imagination

UMAGINE is unique in its ability to custom design, fabrication and build fiberglass reinforced products. Our experienced and knowledgeable professionals work closely with you and your team to provide complimentary custom design services throughout the process.



Glass-fiber Reinforced Composites

G.R.P. Glassfibre Reinforced Polyester is a thermosetting composite of polyester resin & glassfiber to form a structural matrix. G.R.P. has excellent strength-weight ratio, and can be molded into the most complex shapes and durable formation.

G.R.C. Glassfibre Reinforced Cement is a composite mixture of Cement, Fine Aggregate and AR-Glassfiber. G.R.C. is widely used in the construction owing to its flexible ability, versatility in appearance, texture, as well as acoustic and fire performance.

G.R.G. Glassfiber Reinforced Gypsum is a composite mixture of Alpha Gypsum, AR-Glassfiber and Additives. G.R.G. is a lightweight, yet strong architectural material with excellent flame resistant.

From Master Mold to Products

Timber, plywood, terracotta, wax, metal steel, gypsum, styrofoam, ABS, fiberglass & silicon are the most commonly used materials for making molds. They are decisively engineered to meet the product requirements in view of precision, degree of details, textures, robustness, surface smoothness, structural strength and assembling procedures.



At UMAGINE, we all come to work every day because we love to solve the engineering problems. We believe that by keeping our head spinning while having a good time can lead to amazing things.

Versatility & Feasibility

- Design & Build Package
- Decoration & Feature
- Outdoor & Indoor Use



Conservations & Exhibitions

- Heritage Refurbishment
- Artworks
- Museum & Artifacts
- Amusement Park
- Maintenance & Preservation



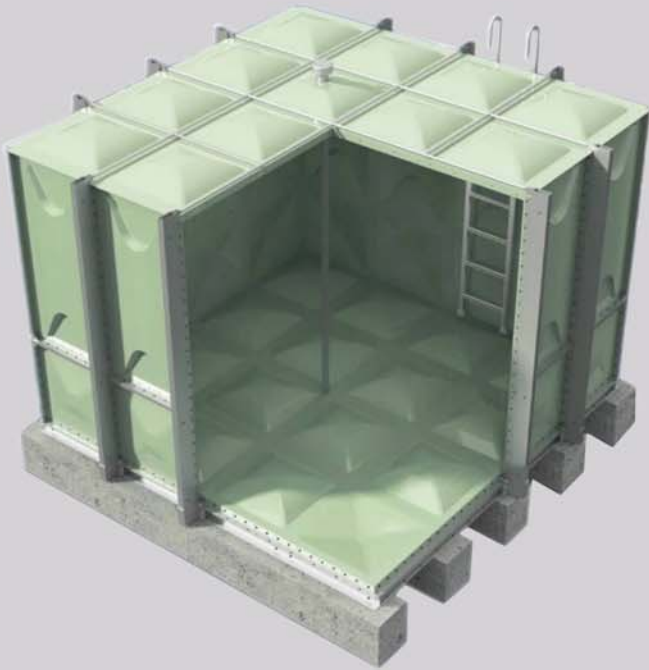
Engineering & Construction

- Structural Analysis
- Mechanical Design
- 3D Printing
- Statutory Submission



SMC GRP Watertank

- Portable Drinking Water ● Sewage Treatment ● Desilting ● Storage Reservoirs



SMC GRP water tank is assembled by UV stabilized modular panels ideal for outdoor weathering. Our panels are opaque to inhibit the growth of algae or bacteria.

Our service teams are experienced, qualified specialists to deliver a comprehensive one stop service, from structural engineering design, project execution to smooth handover to our customer.

- BS 6920: 2014 - Water Quality
- BS 2782 - Material Properties
- WRAS - Material Approval
- Designed by Professional Engineer

FRP Pultrusion

- Handrails ● Platform ● Walkway

Polymerization of a profile pulled through a heated die and contain up to 70% of fiberglass content, the process ensure the exceptional mechanical strength of FRP as well as providing a long term solution to address corrosion issue.

Imagine FRP handrail & platform systems are easily assembled and installed from durable, prefabricated modular components or can be custom designed for specific applications to fit any project.



FRP Molded Grating & Manhole Cover

- Wastewater Treatment Plant ● Chemical Plant ● Food and Beverage



Advantages

- Corrosive Resistant
- Slip Resistant
- High Strength to Weight Ratio
- Fire Resistance
- Low-Maintenance
- Impact Resistant
- Electrically & Thermally Non-Conductive
- Electromagnetically Transparent

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