

GRP is perhaps the most versatile construction material known today, it can offer the designer a wide scope for complexity of shape and can prove very cost effective when designed properly.

During the design process you can utilize the many inherent material characteristics that GRP has to offer, such as dimensional stability, strength, lightness of weight, choice of colour, and a multitude of finishes, so there is almost no limit to the complexity of shape, surface appearance, scale of work, achievable in GRP, the only limit is your imagination.

At SUNYARDS, we produce customized GRP decoration, moulding, tanks, shelter and much more according to your specifications, on time and within budget.

# G.R.P.

GRP Decoration

GRP Design Figure

GRP Module Hut

GRP Signage / Planter

GRP Rock Landscape

GRP Railing / Cover

## ADVANTAGES OF GRP

- Light Weight & High Strength
- Aesthetic Pleasing
- Wide Range of Colour & Texture Option
- Low Thermal Expansion
- Easy to Install & Repair
- Durable and Corrosive Resistant

## STANDARDS

- Mechanical Properties (BS 2782)
- Fire Performance (BS 476 Pt7).
- Glassfiber Resin System (BS 3749)
- Impaction Performance (BS 6206)
- Fiberglass Roving (BS 3396)



GLASSFIBER  
REINFORCED  
PLASTIC

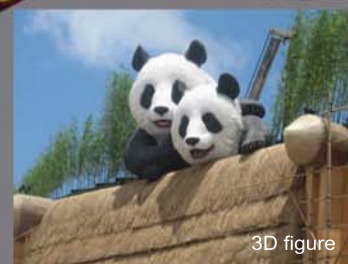
The unique properties of Fiberglass make it suitable for a wide range of product applications, and also offer advantages that are not found in more conventional constructional materials! In Sunyards, we have the engineering, experience and credibility to design, manufacture and install quality GRP products for your application.



relief



feature decoration



3D figure



icon feature



sculpture



decoration



ceiling feature



rock feature



kiosks



signage



cladding



cladding



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龍記  
建材





wall decoration



cladding



moulding



wall decoration



landscape



metallic texture



cladding



cladding



moulding



GRC is not a single material but a family of high-performance cement-based composites reinforced with special alkali resistant glass fibres, which can be engineered to suit a wide range of applications.

SUNYARDS strongly believes that efficient communication and coordination explains the success of project executions. Therefore, we always proactively pulling the teams together and managed to strengthen an open-minded communication corridor for our factory, in-house engineer, as well as the installation teams on-site and off-site.

# G.R.C.

GLASSFIBER  
REINFORCED  
CEMENT

- < GRC Building Feature
- < GRC Cladding/ Roofing
- < GRC Sculpture
- < GRC Moulding/ Conice
- < GRC Rock Landscape
- < GRC Statute & Artworks

## GRC (SPRAY) MECHANICAL PROPERTIES

<b>Dry Density</b>	<b>1.9-2.1 Kg/m3</b>
<b>Addition of AR-Fiber</b>	<b>5 Weight %</b>
<b>Bending Strength (MOR)</b>	<b>20 MPa</b>
<b>Bending Strength (LOP)</b>	<b>8 MPa</b>
<b>Tensile Strength (UTS)</b>	<b>8 MPa</b>
<b>Elastic Limit (BOP)</b>	<b>5 MPa</b>
<b>Shear Strength (Inter-lam)</b>	<b>3 MPa</b>
<b>Shear Strength (In-Plane)</b>	<b>8 MPa</b>
<b>Compressive Strength</b>	<b>45 MPa</b>
<b>Impact Strength</b>	<b>15 kJ/m2</b>
<b>Elastic Modulus</b>	<b>10-20 GPa</b>
<b>Strain to Failure</b>	<b>0.6 %</b>
<b>Fire Properties</b>	<b>BS 476 Pt. 4</b>

GRC presents architects and engineers with a material from which the most ambitious design can be created. It can be moulded to form modern futuristic designs or to replicate traditional historic features. GRC can be painted, faced with fine aggregates, colored or simply left with a natural white or grey, smooth or textured finish. (GRC in Action, GRCA 2003)



sparying



production



QUALITY  
CONTROL



Q.check



testing

Quality Control of GRC  
Manufacture is comply with  
BS1169, BS EN 1170



## ADVANTAGES OF GRC

- Can be cast into fine details
- Offers designers unrivalled flexibility
- Moulding and feature are easy to handle and erect
- Does not suffer from corrosion
- Durable against extreme weather condition

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龍記  
建材

At SUNYARDS, we provide comprehensive solutions from design, manufacture, installation to finishings. So whether you are an architect, consultant, project coordinator, or end user, please contact us to discuss your requirements further...





moulding

light trough

light trough



moulding

ceiling

Fire retardant, lightweight but strong; GRG is used exclusively for interior application such as, hotels, theaters and residential structures for moldings, ceilings, columns, light coves, bas relief, domes, capitals, fireplace surrounds, medallions and any other custom shape.

## ADVANTAGES OF GRG

- Stunning finish options, It can even be finished with water- or oil-based paints, stain, and gold-leaf
- Excellent crack and shrink resistant provide invisible jointings
- Lightweight, requiring minimum structural support
- Easy installation and repairing
- Finest details art works

# G.R.G.

GLASSFIBER  
REINFORCED  
GYPSUM

GRG is a non-combustible, lightweight and extremely versatile substance. It is widely used in interior custom design decoration and shapes, i.e. column surround, ceiling panel, decorative moulding, dome, barrel vault ceiling, light trough, crown molding, balustrade, niche, medallion and etc. GRG is often be crafted in incredible fine details.



production



atrium panel



shop front

< GRG Moulding

< GRG Light Trough

< GRG Roman Assesory

< GRG Ceiling/ Decoration



display



feature



cast-iron grating

## METAL WORKS

< Structural Steel

< Pre-fabricated Steel

< Cast-Iron / Steel

< Mechanic Devices

SUNYARDS embraced over 10 years of experiences in metal processing, design, fabrication, finishing, and on-site erection.

It is because we understand the unique properties that metal, iron and steel inherited, we are confident to craft metal in a way to serve their best propose in view of structurally and architecturally.



divider



ceiling



canopy



decoration



subframe



mechanic

AT SUNYARDS, WE FAITHFULLY PUT OUR HEART INTO IT....

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At SUNYARDS, we work closely with our clients on the projects, this is something that the company really enjoys. SUNYARDS do bring a wealth of manufacturing and composite experiences to all those projects. Our commitment to technical and composite solutions and open-minded approach are key when ensuring that your project is a resounding success.

In fact, we undertake small to large scale production, but we are also mindful that sometimes a single product or prototype or even an simple enquiry is all that is required. Should you have any enquiry or suggestion concerning our composite products or its suitability for your project or product, please simply give us a call to discuss your requirements further.

FIBERGLASS & METALWORKS

玻璃纖維 ■ 鋼鐵工程

OUR SERVICES

DESIGN

FABRICATION

INSTALLATION  
MAINTENANCE

GRP  
GRC  
GRG  
Metal Works

## Job Reference (Selected)

Project

Works

Skyplaza HK Airport  
翔天廊(香港機場)

GRG Moulding & Light Trough

The Grandiose, TKO  
君傲灣(將軍澳)

GRG Cladding Decoration & Shopfront

LePoint, Tiu Keng Leng  
城中駅(調景嶺)

GRP Figure and Decoration

Island Resort  
藍灣半島

GRP Cladding /Relief / Ceiling

Ngong Ping 360  
昂坪360

GRP/GRC/GRG Decoration / Feature

Beverly Hill, Tai Po  
比華利山別墅(大埔)

GRP Vault Ceiling /Moulding /Column

HKCEC  
香港會議展覽中心

GRP Cladding (Internal)

Maritime Square, Tsing Yi  
青衣城

GRP Cladding / Relief / Shopfront

New Town Plaza, Shatin  
沙田新城市廣場

Moulding / Grating / Steel Works

Ma On Shan Park  
馬鞍山遊樂場

Cover walkway / GRP Louvre / Roofing

The Grand Cinema (Kln Sta)  
愉景灣

GRP Icon Feture / Ribbon Wall

Development IL 117  
Caine Road  
堅道117號

Cladding Panel (External) / Balustrade

Sheung Shui Town Lot 183  
上水中心

Exterior Moulding/ Column/ Cladding

Residential Development at  
Jardine's Lookout  
渣甸山住宅

GRP Ceiling/ Cladding /Moulding

Fashion Island Causeway Bay  
名店廊(銅鑼灣)

GRP Cladding / Decoration / Ceiling

For updated job reference details please visit our website at  
<http://hk.geocities.com/smartdavidyam2002>

## OUR MISSION

To offer a full bespoke  
manufacturing service for  
anything you can imagine in  
GRP, GRC, GRG & Metal Works.

Commit to produce creative  
products that are aesthetically  
pleasing yet encompass  
all of the clients requirements.



business card here

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