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EVEREST GRC

Glass Fibre Reinforced Concrete

ARCHES

BRACKETS

BANDS & CARVED PANELS

BALUSTERS & RAILINGS

COLUMNS & CAPITALS

DECORATIVE MURALS

FINS

MOULDINGS & CORNICES

PLANTERS / LANDSCAPES

SCREENS



A UNIT OF  **EVEREST**
COMPOSITES

HIGHLY DURABLE & ECO-FRIENDLY

ARCHITECTURAL EXTERIOR CLADDING

GRC INTRODUCTION

Glassfibre Reinforced Concrete (GRC) is one of the most versatile building materials available to architects and engineers.

Developed in the twentieth century, GRC has been making a significant contribution to the economics, technology, and aesthetics of modern construction worldwide for over 40 years.

Glass Fibre Reinforced Concrete is a composite material made of cement, fine aggregates, water, chemical admixtures and alkali resistant (AR) glass fibres, which can be engineered to suit a wide range of applications.

GRC is very versatile and can be suitably moulded into wide variety of complex shapes and profiles.

GRC is also most suitable for seismic regions as GRC has a tendency to bend and not crack under seismic pressure.

The design and manufacture of GRC products is covered by international standards, which have been developed in Europe, America, Asia and Australia. GRC is manufactured in over 100 countries.

KEY FEATURES

- GRC products are easy to handle and fast to erect.
- GRC is easily molded to reproduce shapes, details and textures
- GRC can be cast into fine details design of thin cladding elements
- GRC can be coloured with pigments, paints and natural stone facings
- GRC offers designers unrivalled flexibility
- GRC does not suffer from corrosion & environmentally friendly
- GRC is durable against extreme weather conditions
- GRC offers a wide variety of shapes and surface finishes



GRC – CONSTRUCTION INDUSTRY

ADVANTAGES

- Light Weight
- High Strength
- High Impact Resistance
- Durable
- Choice of Colour / Texture
- No steel reinforcement
- No Health Risk
- Easy Fixing

BENEFITS

- Faster installation.
- Significant savings in superstructure and foundations
- Allows greater lengths, reduced number of supports and thin sections
- Hard and dense surface offers resistance to graffiti
- Minimizes breakages during transportation and erection.
- Needs low maintenance Never rots or corrodes
- Various surface finishes and shades such as plain or sand stone, striped granite, oak finish, stonewall and acid wash can be obtained.
- So, no electromagnetic interference with signaling cables
- AR glass fibre is irrespirable unlike asbestos fibre
- Avoids all problems of wet fixed cladding. Can be drying fixed with stainless steel / M.S. fixtures.

APPLICATIONS OF GRC

- GRC Cladding – can be plain, textured, curved or with bands**
- Ornamental / Architectural Components:**
 - (a) Arches
 - (b) Bands
 - (c) Brackets
 - (d) Balustrades
 - (e) Cornices
 - (f) Columns , capitals and bases
 - (g) Domes
 - (h) Fins and Parapets
 - (I) Partitions
 - (j) Window surrounds
 - (k) Zharokhas
- Landscaping and Garden Furniture:**
 - (a) Landscape element such as planters / flower pots
 - (b) Garden furniture’s
 - (c) Lamp posts
 - (d) Bollards, Signs, Statues and Sculptures.
- Technical / Civil Engineering Applications:**
 - (a) **Noise Barriers**

The weight per unit of GRC or its surface mass, stiffeners provides a property of noise insulation at lower frequencies. Typical 10mm thick GRC having surface mass 20Kg / M2 will have an average sound reduction of about 30 decibel.

(b) GRC Replacing RCC

Long but lightweight element, which greatly reduces the load on the building, can be made.

WHY ONLY EVEREST GRC?

Product offered by EVEREST COMPOSITES.

Sophisticated Plant, Machinery and Equipments imported from England.

Guaranteed users of Imported (AR) Glass fibre with high Zirconia (ZrO2) content and imported rubber to match world standard quality of GRC components.

Exclusive Two GRC Manufacturing plant in India.

Pioneers in manufacturing GRC in india with 25 years of experience in various buildings & constructions materials.

TYPICAL PROPERTIES OF GRC (at 28 days)

PROPERTY	UNIT	MACHINE SPRAY	VIBRATION CAST
Glassfibre (AR)	(WT. %)	2.5 to 5 depending upon component of GRC	3
Flexural Strength	Mpa	6-11	4-7
Compressive Strength	Mpa	35-65	40-60
Impact Strength	Kj/m²	7-20	10-15

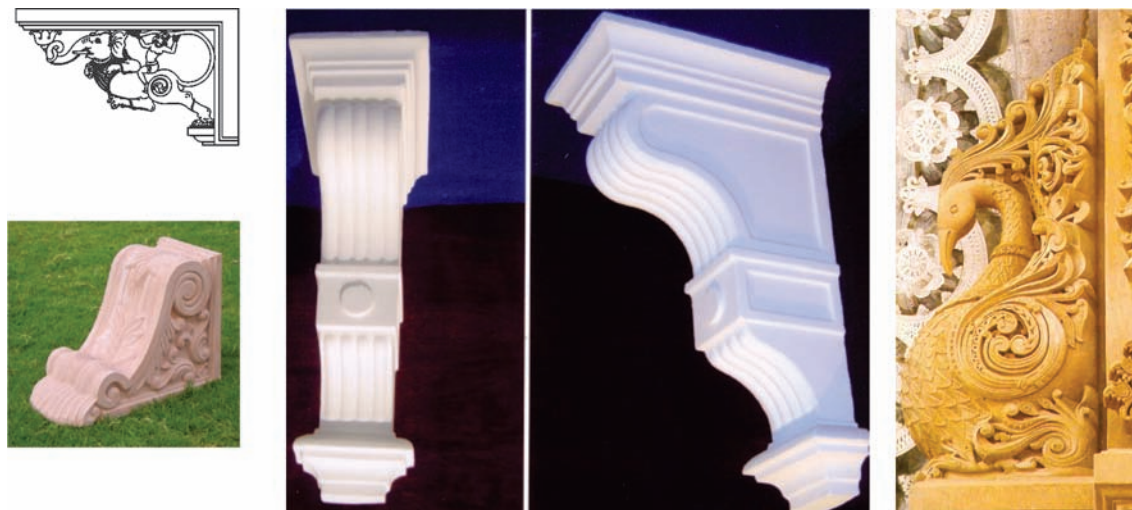
GRC MATERIAL PROPERTIES

Thickness	- 10 to 15mm (depending upon article)
Wt. / Sq. Ft.	- 2.5 to 4.0 kg (depending upon article)
Dry Density	1.8 to 2.2 T/M³
Colour	Any earthen colour (popular colours are White & Pink)
Texture	(a) Plain Smooth Finish, (b) Painted, (c) Acid Wash (Stone Finish)

COLUMNS & CAPITALS



BRACKETS

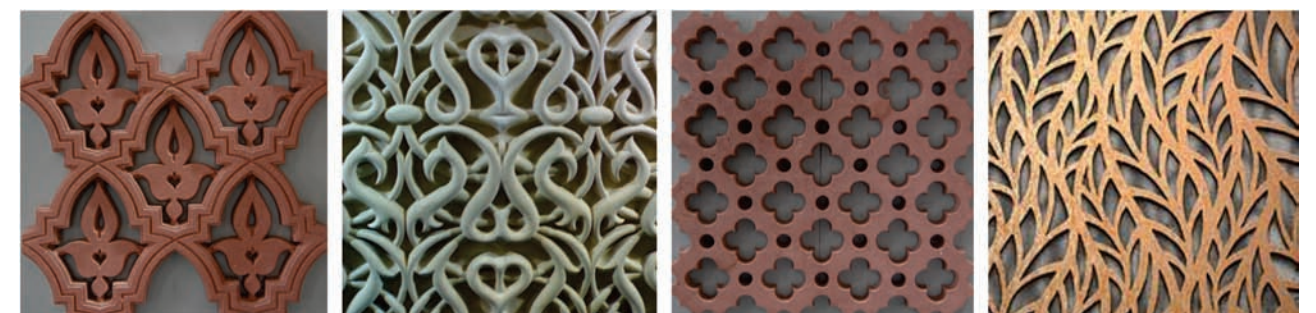
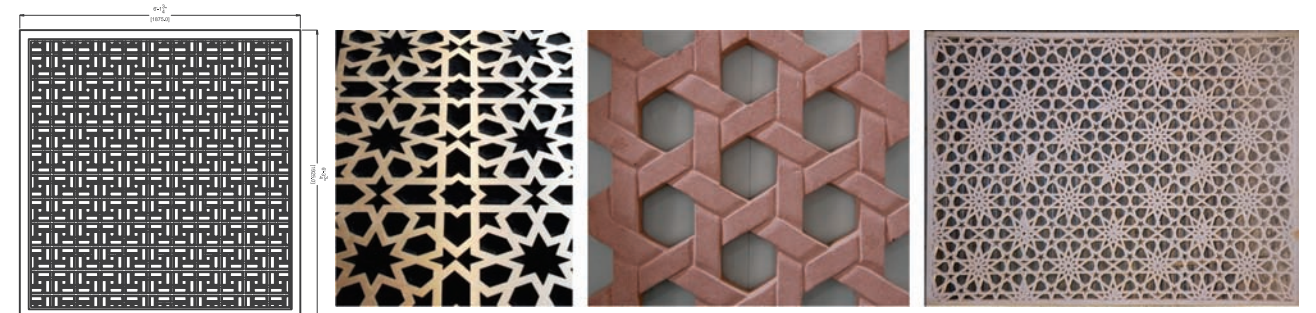


MOULDINGS & CORNICES

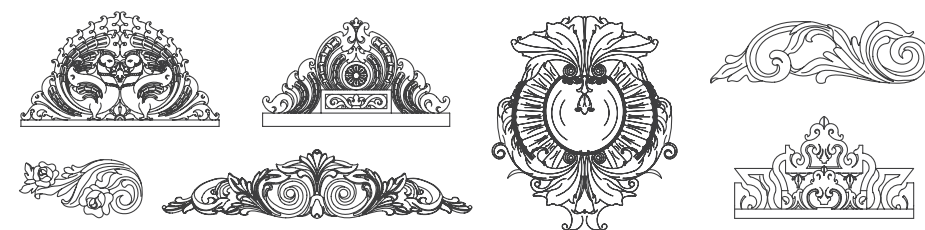


EVEREST GRC

SCREENS



DECORATIVE MURALS



EVEREST GRC

BANDS & CARVED PANELS



PLANTERS / LANDSCAPES



BALUSTERS & RAILINGS



ARCHES



EVEREST GRC

FINS



GRC WITH V GROOVE / OPEN JOINT



GRC REPLACING RCC



GRC AS A NOISE BARRIER



EVEREST GRC

PRESTIGIOUS PROJECTS



SHINE PLAZA – VADODARA



TGB - SURAT



TRIF (TATA) - NAGPUR



EAGLE HOUSE - RAJKOT

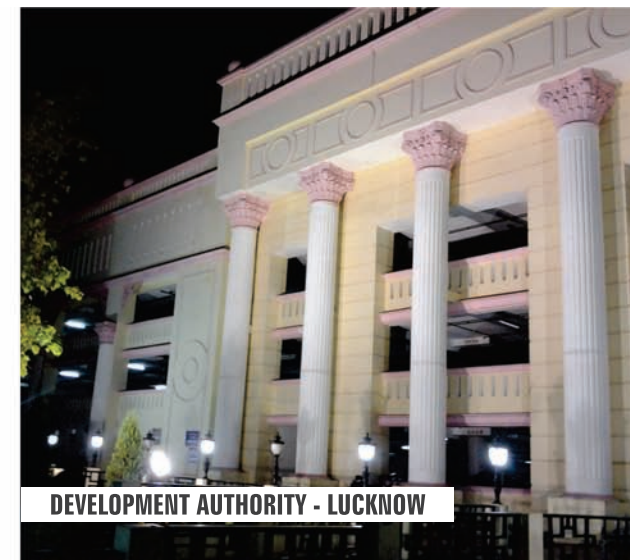


VOORA VILLA 96 - CHENNAI



HARISH PATEL - ANAND

PRESTIGIOUS PROJECTS



DEVELOPMENT AUTHORITY - LUCKNOW



TALASAN-AMBAJI



BAPS - AHMEDABAD



CENTRAL BUS STOP - VADODARA



RAJHANS - FERADIO - SURAT



SWAAR SANGINI - SURAT

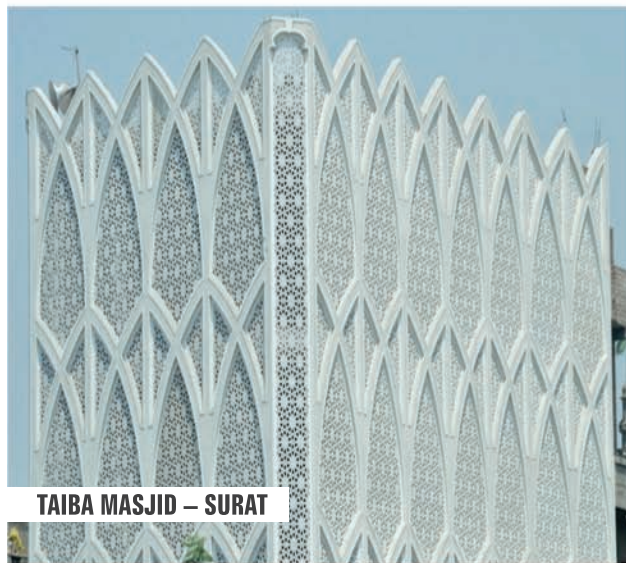
PRESTIGIOUS PROJECTS



BRAHMA KUMARIS – BANGALORE



SHALIMAR-GRAND-LUCKNOW



TAIBA MASJID – SURAT



PACAFICA - VADODARA



THAPER COLLEGE - CHANDIGARH



FUSION RESTURANT-RAJKOT

PRESTIGIOUS PROJECTS



RAJHANS ZION - SURAT



SAMIR SETHI - VADODARA



SHALIMAR - KSMB - LUCKNOW



9 SQUARE - RAJKOT



SHALIMAR GALLANT-LUCKNOW



A R DREAM - UDAIPUR