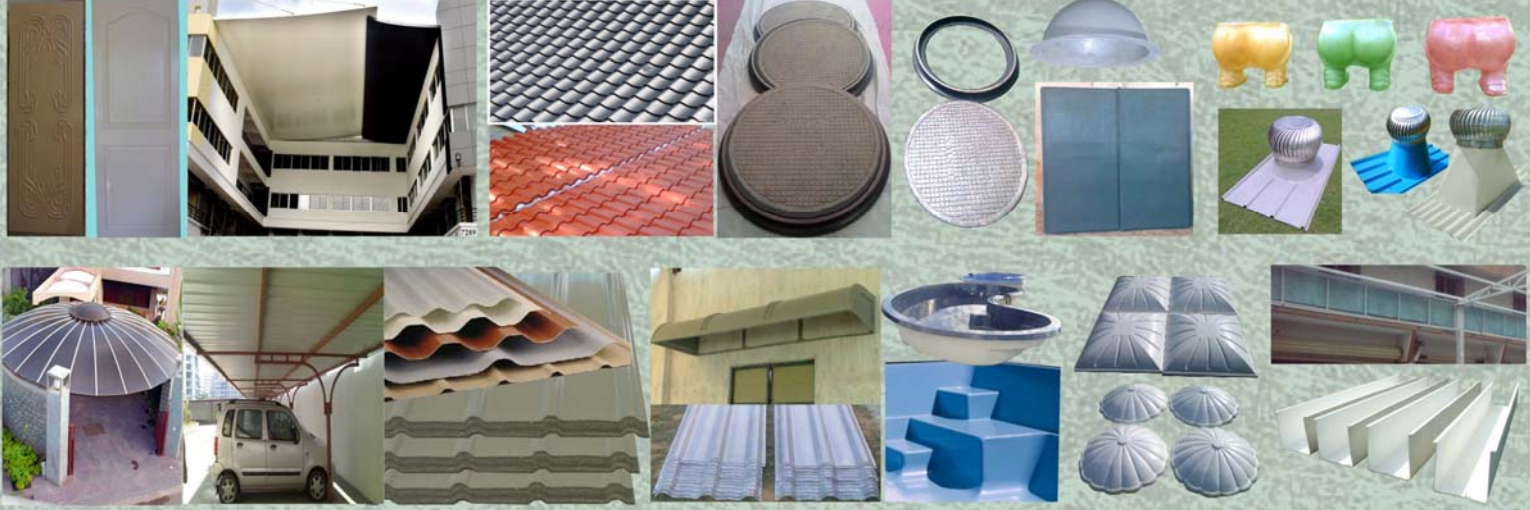




Jayraj Composite Industry

Innovative FRP/GRC Product

An ISO 9001:2008 Company



Crystalight

FIBER GLASS REINFORCED PLASTIC (FRP/GRP) PRODUCTS RANGE

Natural Rooflight Sheet/ Roof Tile
Industrial Rain Water Gutter System
FRP Natural Turbo Air Ventilator
& Ridge Ventilator System
FRP Conveyor Belt Cover System
Door & Window with Frames
Moulded Skylight Round/Pyramid Dome
FRP Tanks & Vessels, Cover/Lid
FRP Waffles Moulds / Shuttring Plates
FRP Trolley Slide, Toys, Garbage, Planters etc.
Portable & Detachable Shelter
Garbage System
BathTub & Swimming Pool
Electric Box & Motor Cover
Architectural Products



DecoArch

GLASS REINFORCED CONCRETE/CEMENT (GRC) PRODUCTS RANGE

Grating
Door Surround
Corneas
Column & Pillar
Balustrades / Railing
Statue / Sculpture
Pot / Planter
Gazebo
Fountain
Lighting Poal
Wall Cladding



**We are taking trunking job for Chemical Resistance, 100% Water Proof,
High Insulated lining /coating work at site on RCC, MS, GI Steel, Wood, & Aluminum Structures.**

Office/Work: Plot No.309, Opp. Bio-Tech Park, Nr. Classic Button Co., B/h. Pathan Pir Dargah, Manjusar-Sokhada Road,
P.O. Manjusar, Tal. Savli, Dist. Vadodara - 391775. Tel. No.: 02667-291093/264822

Email: jayrajcomposite@yahoo.com , jayrajcomposite@gmail.com website: www.jayrajcomposite.com

■ **Jayraj Composite Industry** having wide experience of professionally organized company with strong & high quality foreign standard processing manufacturer of FIBREGLASS REINFORCED PLASTIC (FRP) & GLASS REINFORCED CONCRETE (GRC) Products.

■ Believe in innovative growing opportunity to serve clients. As a result of a combination of experience, technical expertise and use of unique pull braiding technique with latest processing technology. Utilizing the best quality of raw materials like imported U. V. Stabilized unsaturated polyester resin and high quality imported and indigenous powder coated chopped strand mats.

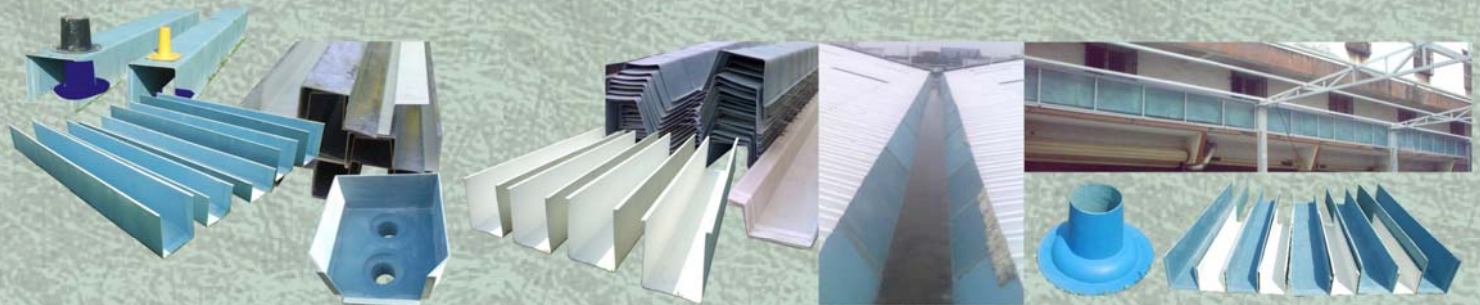
■ We are always ready to assist for the initial design stage of project. Our detail products specification to help and guide the proper call out of material.

■ The items shown represents only a portion of shapes in our mould inventory. If the extract desired profile is not seen, we can modify existing item or custom mould precisely to your specifications. Our craftsmen can make mould on-site directly from the building of sample parts or brought at our shop. Also our experienced pattern maker can match or create new mould or Shape from drawing.

■ Shop drawing, installation details and/or photos are available for all items shown.



INDUSTRIAL RAIN WATER GUTTER SYSTEM



Composite fibre glass gutter are specifically designed for the application in industrial shades roofing in order to drain out the rain water in a systematic manner satisfying all the queries to the Civil Engineering.

CRYSTALIGHT ROOFLIGHT SYSTEM



Protecting against U. V. Rays by using imported U.V. Stabilized Resin, Specially formulated to layer to retards the effect of abrasion, erosion and enhances its increases product life. Good quality and high mechanical strength.

A unique embossed finishing gives scattered natural daylight distribution under the roof. Saves Electricity Cost.

TURBINE AIR VENTILATOR & RIDGE VENTILATOR SYSTEM



Turbo Air Ventilating System circulates natural Air draw from inside industrial shades 100 % maintenance free, Saves Electricity Cost. Operates by utilizing the natural wind velocity to induce air flow by centrifugal action, even in low pressure atmospheric area. Available high grade Aluminium / 302 S.S. Turbo Ventilator.

FRP DOORS / WINDOWS & FRAMES



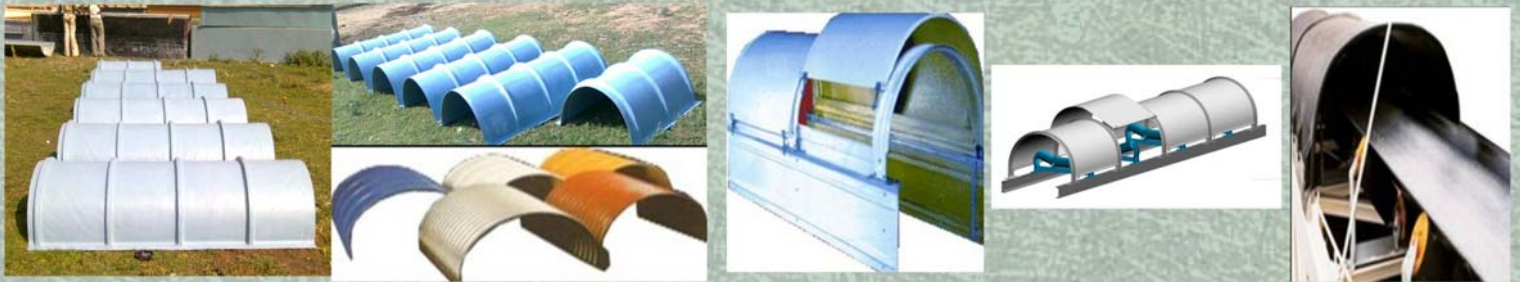
It is solidly built and is single piece construction. 100 % Water proof, Termite proof, Weather proof , Acid proof. Gives an excellent and attractive aesthetic looks. 100 % wooden figure /embossed & depressed panel type

FRP MANHOLE COVER



GRP manhole covers which are made from composite material such as glass fiber, resin, and quartz so on. GRP Manhole cover is lightweight and excellent protection against corrosion and the effects of chemicals because it is made from FRP (fiber reinforced plastic). It weighs only one seventh of the weight of an average cast iron cover. Because this cover is lightweight, it is easy to remove it during maintenance.

CONVEYER BELT COVER



Composite fibre glass Conveyor Belt Covers are specifically designed for the application on Belt to Proof of External Dust in a systematic manner satisfying all the queries to the Civil Engineering.

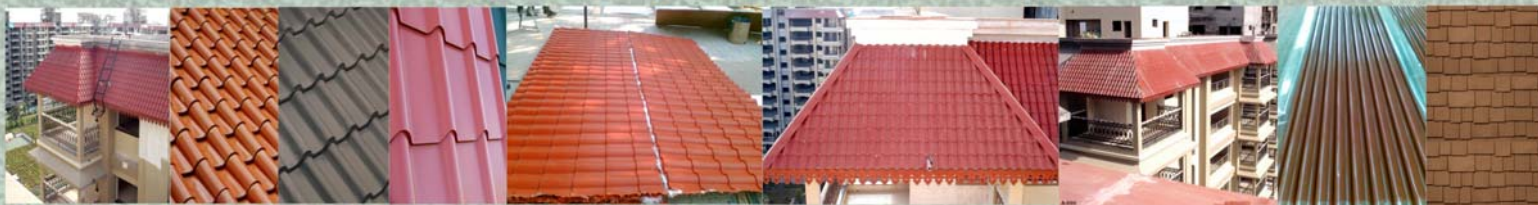
FRP MOTOR COVER / JUNCTION BOX



ARCHITECTURAL PRODUCTS



FRP ROOF TILES



FRP PLANTER & DUSTBIN



GARDEN EQUIPMENT



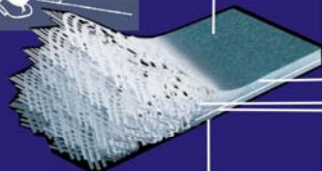
FRP LINING , TANKS & VASSELS



PORTABLE CABIN & SHELTER



PROCESS & TECHNICAL DETAILS FOR CRYSTALIGHT COMPOSITE PRODUCTS



ISO NPG Gelcoat Build Layer
(Weather Resistant, Smooth & flexible)

Tissue Layer
(Erosion/Abrasion Free)

Chopped Strand Mat
(To increase mechanical Strength)

Sturdy Cross Linked
Steel Stiffener

Continue Chopped Strand Mat Layer
(To Buildup Thickness)

1	Density	1430kg/cum
2	Tensile Strength	105 Mpa
3	Tensile Module	7.10 Gpa
4	Glass Fibre Contains	35% to 45% Approx.
5	Extra inbuilt stiffness by	G.I. & M.S. Stiffeners
6	Flexural Strength	150-220 Mpa
7	Flexural Module	5.5-7.5 Gpa
8	Elongation @ Break	1.8 to 2.5 %
9	Notched Izod Impact Strength	70-80 KJ/m2
10	Compressive Strength	150-200 Mpa
11	Compressive module	6-10 gpa

We are associated with Architects. Structural Engineers to support such specialized projects



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GLASSFIBER REINFORCED CEMENT is a new kind of good physical performance compound material, whose main contents are Cement, AR fibers and water, the abbreviation is GRC. To place Alkali Resistance Fibers into admixture of cement and sand is to improve the anti-bent strength, anti-pull strength and anti-compact strength a lot, besides of this, as result of the flexibility and the different ways of AR fibers, which have GRC possessed good workmanship performance, so GRC can be made of many different kinds of complicated shape grouted products. There are three Common kinds of methods for production, these are, Spraying, premixing and Meshing. We are following Premixing Methodology.



GRC and Cement Products, they all have the advantages in showing the nature sand appearance fitting the open air environment, good anti-scratch character on the surface, good durability, anti-freezing and water-proofing, and connecting with the our production workmanship draft so that it can show the advantages in protecting environment fully, that is, extracting from nature environment and also develop for the nature environment.



Features of GRC

Light weight due to thin section

Design flexibility

Non-combustibility

Anti-corrosiveness

High bending strength

High impact strength

Reduce cement usage

Reduce transport cost



The Description of GRC material

Physical performance of GRC

	Performance	Unit	Premix
1	Fibers content Anti-bent	%	2.5 - 3.5
2	Strength Anti-bent	Mpa	10-14
3	Limitation Anti-Press	Mpa	5-8
4	Strength Anti-Press	Mpa	40-60
5	Strength Anti-Pull	Mpa	4-7
6	Limitation Anti-Compact	Mpa	4-6
7	Strength	N/m2	10-15
		t/m3	1.8-2.0
8	Volume Density	No flaking, Shell after 25 times freezing	
9	Anti-freeze	KSPAN And fusing lang=EN-US>circulation	



POLYCARBONATE MULTIWALL/EMBOSSED SHEET



Typical Properties of Multiwall Sheet

Gauge (mm)	10mm
Weight (kg/M2)	1.75
Sound Red. Value (db)	20
U - Value (W/m2K)	2.39
Hail Impact Test (m/Sec)	> 21
Light Transmission	65
Direct Solar Transmission	61
Total Solar Transmission	65
Solar Heat Gain Coefficient	0.65
Light to Solar Gain Ratio	1.00
Shading Coefficient	0.75

POLYCARBONATE TURBO BASE PLATE



Typical Properties of Embossed Profile Sheet

Colour	Clear / Transperent
Specific Gravity	1.19 - 1.21
Impact Strength	> 30 Kj/mm2
Light Transmission	78%
Heat Deflection	135 C
Flammability	Flame Retardant
Operating Temperature	- 40 C to + 120 C
Tensile Strength at Yield	> 60 Mpa
Tensile Strength at Break	> 70 Mpa

BARE GALVALUME SHEET & COLOR COATED GALVALUME SHEET

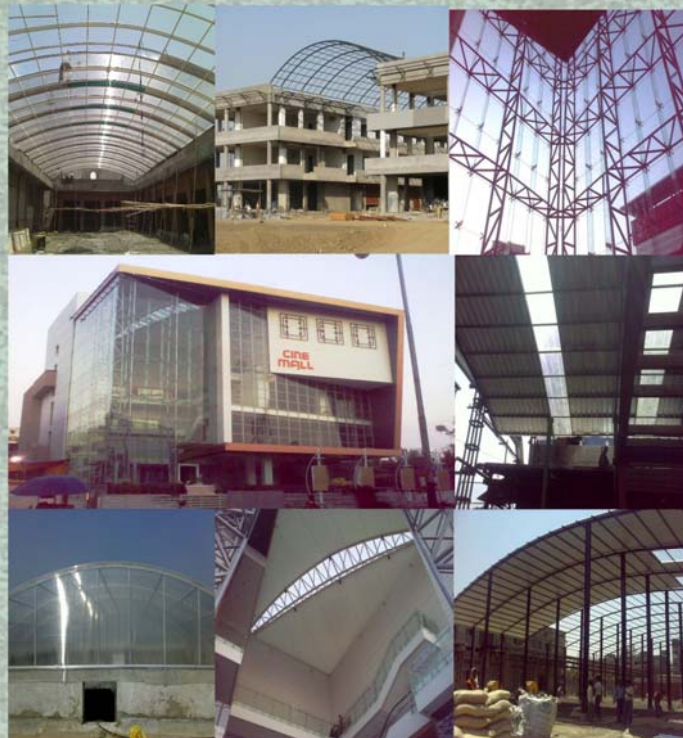


TURNKY PROJECTS

PARKING SHED



FABRICATION WORK



CANOPY & DOME WORK



OTS OF BUILDING



COMPLEX COVERING

