





Plain Smooth Finish



Plain Leather Finish



Plain Woodgrain Finish



Single Panel Woodgrain Finish



Single Panel Woodgrain Finish



2 Panel Woodgrain Finish



2 Panel Arch Woodgrain Finish



3 Panel Arch Woodgrain Finish



3 Panel Square Woodgrain Finish



4 Panel Woodgrain Finish



4 Panel Arch Woodgrain Finish



6 Panel Woodgrain Finish



Doors with Glass



#### **FRP Door Frame** Cross Section View Frame Section Frame Section Wooden Lug for Stopper Core Material **SOLID COLOURS** Wooden Frame all around size 1.5"x1" White - 01 Off White - 01 Grey - 01 Ivory - 01 Beige - 01 Brown - 01 Brown - 02 Brown - 03 Lock Rail **VENEER COLOURS SURFACE FINISH** 1.5 mm FRP Skin Veneer - 01 Veneer - 02 Veneer - 03 Veneer - 04 Veneer - 05 Veneer - 06 Veneer - 07 Woodgrain Leather / Mat Finish Finish SINGLE PANNEL SINGLE PANNEL 2 PANNEL 2 PANNEL ARCH 3 PANNEL **3 PANNEL SQUARE** 4 PANNEL 4 PANNEL ARCH 6 PANNEL 26 28 28 84 84 84 27 28 34 84 84 84 63 81 26 28 31 16 20 24 68 68 68 67 67 67 16 20 23 25 27 83 84 84 84 84 82 83 84 84 84 For Smooth Finish PLAIN SMOOTH \*\* all sizes are in inches PLAIN LEATHER

#### SPECIFICATIONS FOR FRP DOORS

 1.5mm thick F.R.P. Skin is moulded with the Core Material forming a Sandwich Pannel. Necessary wooden supports are provided for fixing the Handles, Locks, Stoppers and other accessories.

PLAIN GRAIN

- The door is Self-Pigmented and available in colour of your choice. Also available in veneer finish.
- Doors available in smooth / mat / veneer finish.
- The standard door thickness is 30/35 mm.
- Doors available with fire retardant properties.

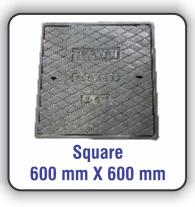
#### ADVANTAGES FOR FRP DOORS

- The fixing is simple as conventional Wooden Doors and can be fixed on any door frame.
- The doors are free from swelling, warping or splitting & have good impact resistance.
- The doors have no effect of water, insects or termites and have excellent weathering properties.
- F.R.P. doors have a significantly lower coefficient of thermal expansion compared to Wooden Doors, allowing doors and frames to be manufactured to a tight tolerance.

## FRP/GRP MANHOLE COVERS



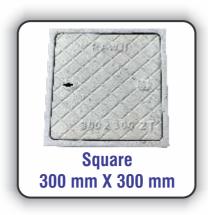


























**Pultruded Gratings** 

**Moulded Square Gratings** 

**Moulded Gratings** 

#### **STANDARD SPECIFICATIONS:**

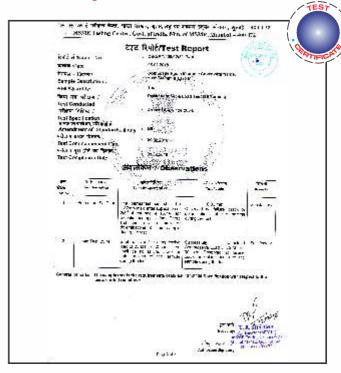
**FRP Manhole Covers** are made using thermoset material for long term durability. The material comprises of cross-linked polyesters combined with Fibreglass reinforced materials to sustain against wear-n-tear for heavy load vehicular traffic. It is 40% lighter than traditional Precast Concrete and Cast Iron covers. Provides upto 5 times more compressive strength. This resilient material withstands constant exposure to weather or sun without sacrificing security or aesthetics.

### **STANDARD SIZES AVAILABLE:**

Product Type	Size ( Clear Opening )	
Product Type	in mm	in inches
Circular Manhole cover with Frame	530 Dia	21" Dia
Circular Marificle Cover With Frame	600 Dia	24" Dia
	450 X 600	18" X 24"
Destangular Manhala savar with France	450 X 900	18" X 36"
Rectangular Manhole cover with Frame	600 X 900	24" X 36"
	900 X 900	36" X 36"
	300 X 300	12" X 12"
Square Manhole cover with Frame	450 X 450	18" X 18"
Square Marinole cover with Frame	600 X 600	24" X 24"
	900 X 900	36" X 36"
	450 X 450	18" X 18"
Gully Gratings with Frame	450 X 600	18" X 24"
Carry Gratings with Frame	600 X 500	24" X 20"
	600 X 600	24" X 24"
Water Tank Cover	600 Dia	24" Dia

### ★ Custom Sizes Available on Request ★

FRP Manhole Covers Comparison Table					
PARAMETER	RCC	CI	RAWJI FRP Covers		
Life Span	Low	Moderate	High		
Strength/Weight Ratio	Very Low	Moderate	Very High		
Cost	Low	Moderate	Comparable to CI		
Scrap Value	Low	High	Nil (Zero Scrap Value)		
Colour Range	Concrete Grey	Black	Range Available		
Logo Embossing	Not Available	Not Available	Possible		
Custom Design / Size	Not Available	Not Available	Possible		
Handling	Difficult	Difficult	Easy		
Thermal Expansion	Negligible	High	Nil		
Corrosion Resistance	Low	Medium	High		
Abrasion Resistance	None	None	Yes		



### **Advantages**

- No resale value hence free from theft.
- Easy to handle and no risk of injury due to light weight.
- Does not rust due to chemical / sewage / rain water.
- High service life as it does not corrode and has high impact resistance.
- High on aesthetics. The covers are self pigmented and do not require periodical painting for maintenance.
- The pigments are built in the material and UV stabilized. Hence there is no peeling/ fading of the colours due to sunlight.
- Resistant to extreme temperatures.

# PRE-FABRICATED CABINS





Two Persons Cabin 1.83m x 1.20m x 2.40m



**Site Office** 2.50m x 3.0m x 2.40m



Single Person Cabin 1.20m x 1.20m x 2.40m



**Economy Model** 1.20m x 1.20m x 2.10m



**Toll Booth Cabin** 0.90m x 1.50m x 2.10m



Single Person Cabin 0.90m x 1.0m x 2.10m



Executive Toilet 0.90m x 1.0m x 2.10m



Executive Toilet (Interior) 0.90m x 1.0m x 2.10m



**Multiple Toilets** 



**Multiple Toilets** 



**Toilet with Bio Digestor** 



**Economy Toilet** 

#### SPECIFICATIONS OF FRP CABINS

Size : As per customers requirement.

Walls : The Cabin walls are made of F.R.P. Sandwich pannels. The pannels are

made of 1.5 mm thick FRP skin with corrugated structural member in between. This makes the walls a very strong structural system. Overall

thickness will be 17/18 mm.

Roof : F.R.P. Roof has Dome like structure. Larger cabins will have a sloping roof.

Tile roof can be provided on request.

Doors : 17/18mm thick moulded F.R.P. Door is fixed on side with SS hinges. The

fixing system is trouble free. Handle and aldrop is provided.

Windows : 2 nos. sliding powder coated aluminium windows are provided.

Flooring : 16mm thick Eco Board covered with FRP Flooring.

Base : The Cabin is erected on M.S. framework as base. Four 3" heavy pipes are

provided as legs. The base height is 130 mm.

Electrical

Fittings : Light, fan and one 5 amps socket and telephone jack are provided. The

mains can be easily connected to the plug socket provided at the back.

Desk : A shelf like desk is provided under the window.

Colour : Available in colour of your choice.

#### ADVANTAGES OF FRP CABINS

1) Cabins are resistant to Humidity, Termites and Pests.

2) There is no rotting or corroding of the Cabin as in Wooden or Steel Cabins.

3) The pannels are well insulated providing a cool environment.

4) The Cabins are well balanced and Self supporting.



**Telephone Booth** 



**Internet Kiosk** 

# METAL CABINS





**Site Office** Size: 20' x 10' x 8'6" (ht)



Security Cabin Size: 8' x 8' x 8'6" (ht)



Size: 20' x 8' x 8'6" (ht)



ACP cabin Size: 6' x 6' x 8'6" (ht)



Single Toilet Size: 4' x 4' x 8'6" (ht)



Ground + 1 Storey cabin



Multiple Toilets Size: 20' x 4' x 8' (ht)



Site Office Size: 40' x 10' x 8'6" (ht)



Security Cabin Size: 4' x 4' x 8'6" (ht)

### **CABIN INTERIORS**









### SPECIFICATION FOR PORTABLE METAL CABIN

Sr. No.	COMPONENTS	DESCRIPTION
1	Bottom Frame	150 mm Specially Formed CRC Channel
2	Top Frame	150 mm Specially Formed CRC Channel
3	Stiffener Bottom	Rectangular,MS Sq. Pipe
4	Stiffener Top	M.S. Sq. Tubes
5	Side Post	Specially formed Sections
6	Side Wall Stiffeners	Specially formed Channels
7	Paneling Outside	Specially Corrugated Sheet-1.2 mm thick
8	Internal Wall Paneling	8mm MDF OSL Sheet
9	Roof Ouside	Plain Sheet-1.2 mm thick properly Sloped and water tight.
10	False ceiling	MDF OSL Sheet
11	Bottom Flooring	18mm Cement Bonded Fibre Board with Vinyl Carpet
12	Aluminium Windows	Double Shutter Sliding Aluminium Powder Coated Windows  4mm Tinted Gray Glass- With safety Grills
13	Door	Constructed of Rigid Steel Frame and Insulated with Glass Wool Door Closer, Aldrop & Handles
14	Insulation	Glass Wool Insulation - (Side Wall - 50mm) (Ceiling 50mm)
15	Wiring	All wiring shall be concealed type & shall be of PVC insulated copper wire (FR Grade) of ISI- Polycab make
16	Electrical Fittings	<ul> <li>All electrical fittings in the Portable Cabin shall be 220-240 V, AC 50 Hz.</li> <li>Tubes, Door Light, Fan, Switches, Sockets, Telephone sockets</li> <li>Air Conditioners Point (MCB)</li> <li>MCB At the input junction for safety</li> </ul>
17	Outside Painting	Phosphate the Cabin and Painting with coat of Epoxy primer with Two Coats of Paint. In colour of your choice
18	Legs	5 inch high Four legs at all four corners
19	Hooks	Specially formed Hooks for Easy lifting and Shifting
20	Partition Wall (optional)	MS Pipe Stiffener with 8mm MDF OSL Sheet



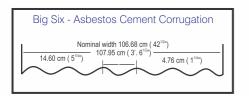


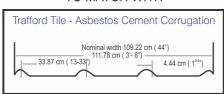
### FIBREGLASS REINFORCED POLYESTER TRANSLUCENT ROOFINGS

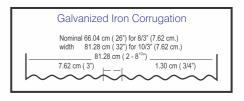


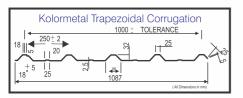


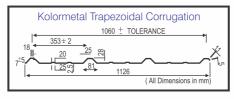
#### Standard Corrugations TO MATCH WITH

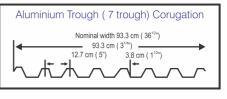


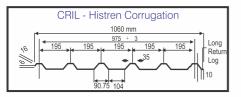


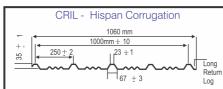


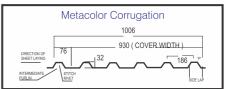


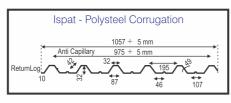


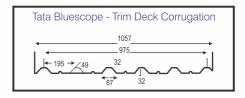












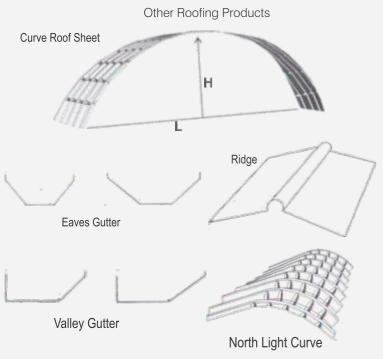
**CORRUGATIONS**: Available as per requirements

**LENGTH** : 1.00 mtr. and above as per customer requirement. **WIDTH** : Standard as per different corrugation type.

: 1.0 mm and above with increament of 0.5 mm. Allowable tolerance +/- 10%. **THICKNESS** 

: Clear Translucent, Green, Blue, Milky White and Opaque colours. COLOURS

: Crinkle Glass Effect, Decorative cloth embedded and other special designs . **TEXTURES** 



#### SPECIFICATIONS FOR F.R.P. ROOFINGS GENERAL PROPERTIES AS TESTED AND APPROVED (1) Diffuse Luminous (or light) (2) Diffuse U.V. Transmission Factor Transmission Factor 81.9% 34.4% Clear Translucent Milky White 01.9% 35.9% 53.9% Blue tinted 19.2% 56.0% Natural 20.0% Test Result: 1) Thickness. Tensile Strength .. ..... 1145kg. per cm² 3) Punch Shear test: (on longitudinal test places) (a) Diameter of punch ..... (b) Breaking load (average of five tests) 4) Impact strength (edge wise) (carried out on longitudinal test places) in Izod type 5) Transverse strength (determined according to A.S.T.M. Designation D-1502 60 on a span of 24" load being applied at the quarter points of the span) ... 240 lbs. Breaking load per foot width ..... Transforms harsh sun rays into soft, diffused, glare-free light Provides day-light for efficient and comfortable working condition.

Can be easily installed with conventional fixings. No special skill required, Saw it, drill it and fix it.

With its ultra-violet barrier reflects 80% of the heat rays.

Can withstand extremes of climates.

Is tough and robust, can withstand all regular wear-n-tear and vandalism.

Is available in exciting wild or soft colours with beautiful decorative embedded designs.



# Rawji Exports

ISO 9001: 2008 COMPANY

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