



FRP
MANHOLE
COVER

MARVIN FIBRE WORLD

C/o. itamax industries, plot no. 5 , maruti estate,
behind essar petrol pump , old jambudiya, morbi - 363642

www.marvinfibreworld.com | marvinfibreworld151@gmail.com



A large, light gray graphic of a tree with many leaves is positioned in the upper right corner of the page.

▼ ABOUT US

Welcome to marvin fibre world, your number one source for FRP manhole cover, water gully cover and grating. We're dedicated to giving You the very best of fibre products, with a focus on product quality, customer satisfaction and ethical practices. Our team started out passion for tough and durable products and it drove them to do tons of research so that marvin fibre world can offer You tough and durable fibre products. We now serve customers all over india.



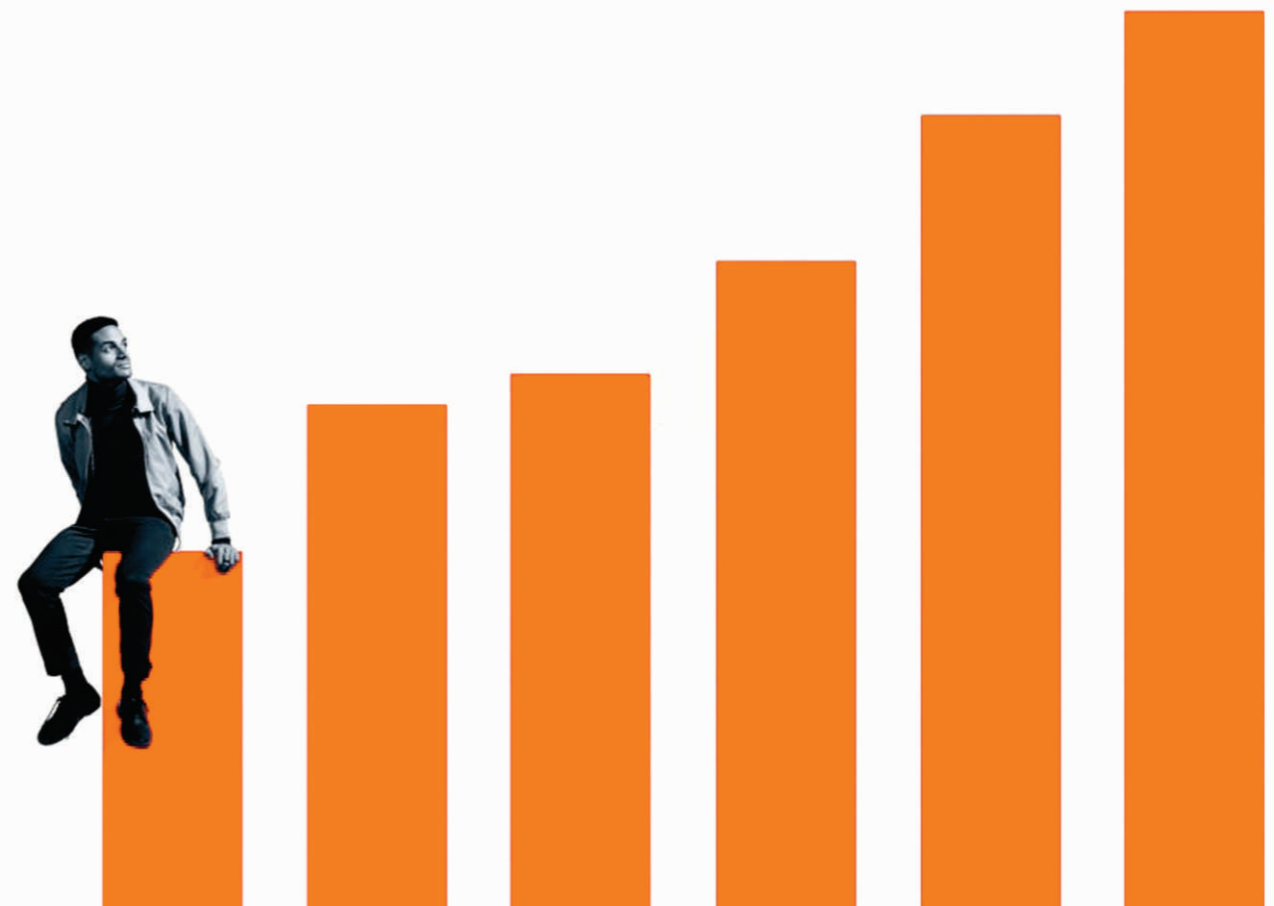
COMMITTED IN QUALITY

our mission is to exceed ourselves and whole eco system each and every day by looking for regular interaction with our customer. By developing better products we want to leading our group in future.

OUR VISION

To enhance the quality of product and give new definition to the strength of fibre products.

In everything, we do we are committed to our values and our every Action is accelerated towards our vision. We founded the company With the vision to provide the best quality products to people for their Investments. With the mission to become a world market leader that Sets its own standard and make india stand in the world market with The highest grade “MADE IN INDIA” products





▼ WHAT IS FRP ?

FIBRE-REINFORCED POLYMER (FRP)

Is A Composite Material Made Of A Polymer Matrix Reinforced With Fibers? The Fibers Are Usually Glass Fibers, The Polymer Is Usually An Epoxy, Vinyl ester Or Polyester Thermosetting Plastic, And Phenol-Formaldehyde Resins Are Still In Use. FRP Are Commonly Used In The Aerospace, Automotive, Marine, Construction Industries And Ballistic Armor.

COMPRESSION MOULDING

When The Raw Material Containing Reinforced Fibers Are Compressed & Molded At Certain Pressure & Temperature The Final Outcome Would Be Called A Frp Molded Product, Which Qualifies It As A Fibre-reinforced Polymer. More Typically The Polymer Preform Used In Compression Molding Does Contain Reinforcing Fibers. In Compression Molding, A "preform" Or "charge", Of SMC, BMC Is Placed Into Molding Cavity, The Mold Is Closed And The Material Is Formed & Cured Inside By Pressure And Heat. Compression Molding Offers Excellent Detailing For Geometric Shapes Ranging From Pattern And Relief Detailing To Complex Curves And Creative Forms, To Precision Engineering All Within A Maximum Curing Time Of 20 Minutes.

ADVANTAGES AND LIMITATIONS

FRP Allows The Alignment Of The Glass Fibres To Suit Specific Design Programs. Specifying The Orientation Of Reinforcing Fibres Can Increase The Strength And Resistance To Deformation Of The Polymer. Glass Reinforced Polymers Are The Strongest And Most Resistive To Deforming Forces When The Polymers Fibres Are Being Exerted With A Parallel Force.

FRP MANHOLE COVER

our FRP Manhole Cover comes With A Better Performance Than Cast Iron, Ductile Iron And RCC Manhole Cover , This Product Is An Industrial Revolution. They Have Been Thoroughly Tested As Per Bsen 124, Standards For Drainage And Utility Services. FRP Manhole Cover Meet All The Requirement Of The Code . Our Cover Are Available In All Standard Sizes With Load Bearing Capacity Ranging Form2.5 Ton To 5 Ton Circular, Square And Rectangular Are The Most Common Shapes Used Today.



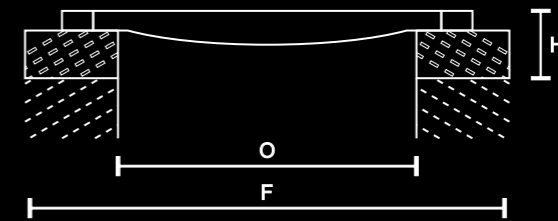
**MOST
TRUSTABLE
FRP
MANHOLE
COVER**

**DEFINITION
OF STRENGTH**





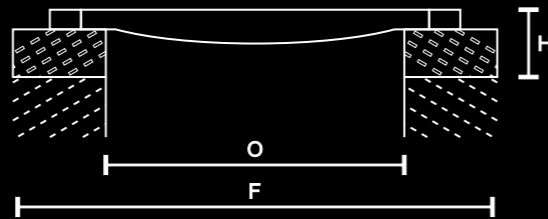
▼
RECTANGLE
MANHOLE COVER



colours available

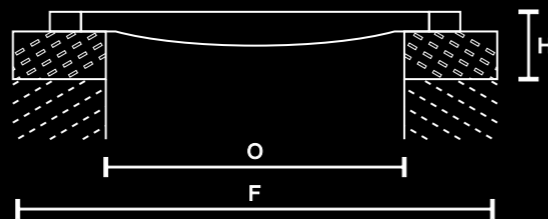
Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
18"X 24"	460 x 610	14.5"X 20"	365 x 510	2.5 / 5	11

SQUARE MANHOLE COVER



colours available

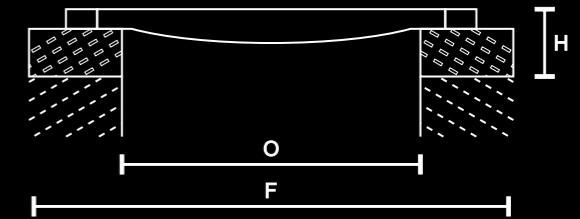
Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
10"X 10"	270 X 270	8.5"X8.5"	210 X 210	2.5 / 5	2.5



colours available

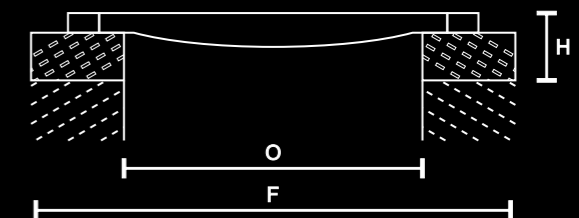
Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
12"X 12"	310 X 310	10"X 10"	250 X 250	2.5 / 5	3

SQUARE MANHOLE COVER



colours available

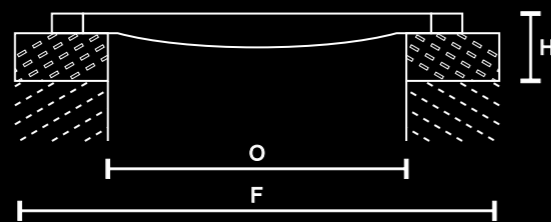
Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
15"X 15"	380 X 380	12"X 12"	300 X 300	2.5 / 5	5



colours available

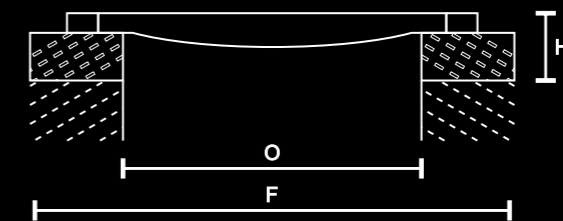
Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
18"X 18"	460 X 460	14.5"X 14.5"	365 X 365	2.5 / 5	7


**SQUARE
MANHOLE COVER**



colours available


**SQUARE
MANHOLE COVER**

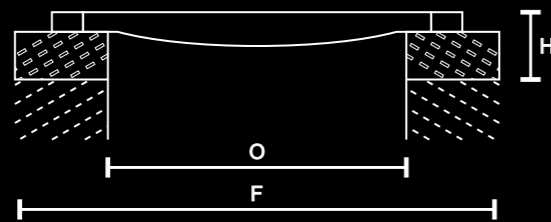


colours available

Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
21"X 21"	535 x 535	18"X 18"	450 x 450	2.5 / 5	11

Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
24"X 24"	610 x 610	20"X 20"	510 x 510	2.5 / 5	15

SQUARE MANHOLE COVER



colours available

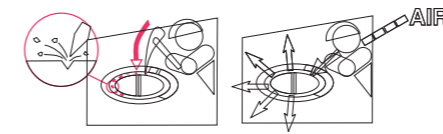


Frame Size (F)		Clear Opening (O)		WBC (Weight Bearing Capacity)	Weight (Approx)
Inch	MM	Inch	MM	In Ton	In Kg
28" X 28"	710 x 710	24" X 24"	610 x 610	2.5 / 5	25

MANHOLE COVER INSTALLATION GUIDE

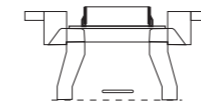
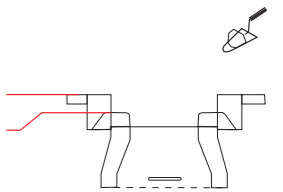
In Order To Ensure The Normal Use Of Composite Material Manhole Cover, We Should Pay Great Attention To The Quality Of The Installation, Do Accurate Sizing, Firm Installation, Convenient Opening, Clean And Beautiful Appearance, According To The Technical Standards Of Composite Material Manhole Cover, Formulated A Mounting Instructions.

1. Check The Hole Depth And Manhole Opening Diameter That The Frame Is To Be Fitted On, Ensure The Latter Manhole Cover To Be Installed Is On The Same Flat With Road. If Necessary, Insert A Form Work Around Manhole On Which The Cover Is To Be Fitted. Make Sure That The Frame Does Not Lay On The Form Work When In Its Final Position.



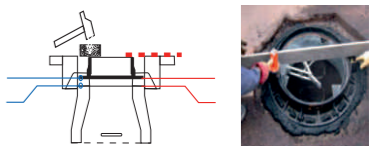
2. Check The Condition Of The Manhole Opening And Remove Any Dust From The Support And Manhole Opening.

3. Lay A Coat Of Sealing Product Around The Top Of The Manhole. The Minimum Recommended Thickness For The Coat Under The Frame, Once Installed And Levelled, Is: 40mm In The Case Of Quick Setting "micro-concrete" Type Sealing Products, 80mm In The Case Of A 350 Cpa Concrete Sealing.



4. Lay The Frame Directly On The Sealing Product.

5. Adjust The Frame To The Same Level As The Wearing Course. The Adjustment Should Be Carried Out By The Exerting Downward Pressure On The Frame With Wooden Hammer To Ensure That The Sealing Product Spreads Evenly Under The Surface. The Requirement Of The Thickness Under The Frame, Please Refer To Point 3.



6. Clean The Edge Of Clear Opening And Put On The Cover

7. Fill With Sealing Product And Use A Float To Level Off The Product. If The Road Is Asphalt, Leaving 30-50mm For The Latter Laying Of The Asphalt Course.



8. After The Concrete Final Set, Clean The Installation Area And Maintain With Water For At Least 7 Days.