

SIMtex[®]
FRP MANHOLE COVER



FRP/GRP MANHOLE COVER
FRP/GRP DRAINAGE COVER
FRP/GRP CHAMBER COVER

EXPECTATIONS
TO REALITY

www.simtexfrpcover.com

SIMTEX INDUSTRIES PVT. LTD



THE COMPANY



Introduction

Sialon engineers came into existence in the year 2011. Initially the vision of 3 young entrepreneurs was to setup engineering workshop and provide machining solutions. As the company grew it started developing its own products and provide customized engineering solutions and products.

With a strong technical team and in-house testing and manufacturing facilities, we saw a vision to plunge into fibre industry which saw a bright future.

After continuous R&D finally we were successful in developing a cost effective FRP/GRP manhole covers suitable for Indian market which was competitive and has greater attributes than its competitors. Finally this FRP/GRP manhole covers under brand "SIMTEX" came into existence.

Our state of the art manufacturing facility is spread over an area of around 15,000 sq. feet, which incorporates manufacturing and testing as per BS EN124:1994.

Our Objective

- Customer delight
- Consistent quality
- On time delivery
- High quality products at competitive prices
- Innovation, research and development in our products.

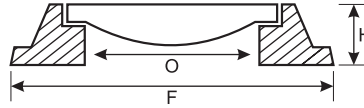
Manufacturing Process

We have all the in-house facilities for manufacturing finest quality of FRP manhole covers. Glass fiber mat soaked with various combinations of resins are used. The top most layer of cover and frame is specially fabricated from certified quality of special material that adds to the wear resistance of the surface. The basic raw material used in FRP composite include :

- Glass Fiber
- Firming agent (Resin)
- Promoter / Accelerator
- Other Auxiliary material



LIST OF AVAILABLE SIZE



Shape & Capacity	Outer Frame Size (F)		Frame Clear Opening (O)		Frame Height (H)	Weight/ Piece
	Inch	mm	Inch	mm		
SQUARE ELD 2.5T/A15 and LD 5.0T	10 X10	250 X 250	7.8 X 7.8	195 X 195	22	2.0
	12 X 12	300 X 300	10 X 10	250 X 250	25	3.0
	15 X 15	380X380	12 X 12	300 X 300	25	4.5
	18 X 18	450 X 450	16 X 16	400 X 400	28	9.0
	21 X 21	535 X 535	18 X 18	450 X 450	28	11.0
	24 X 24	600 X 600	20 X 20	510 X 510	28	14.0
	28 X 28	710 X 710	24 X 24	610 X 610	30	19.5
	30 X 30	760 X 760	26 X 26	660 X 660	30	23.0
RECTANGLE ELD 2.5T/A15 and LD 5.0T	9 X 12	230 X 300	7 X 10	165 X 235	22	1.7
	18 X 24	450 X 600	14 X 20	350 X 510	28	10.5
	21 X 28	535 X 710	18 X 24	450 X 610	30	15.0
SQUARE B125/12.5T & C250/20.0T	17 X 17	425 X 425	12 X 12	300 X 300	65	-
	24 X 24	600 X 600	18 X 18	450 X 450	65	-
	30 X 30	750 X 750	24 X 24	600 X 600	65	-

PRODUCT APPLICATION



ELD 2.5T/A15

Suitable for use within residential and institutional complexes with pedestrian but occasional light motor vehicle traffic. These covers are also used for inspection chambers.

LD 5.0T

Suitable for use in areas with continuous motor vehicles traffic e.g. Underground parking or parking decks in residential areas, shopping malls, commercial complexes, high rise buildings, multi floored parking's, etc.

MD10T/B125

Suitable for use in service lanes and roads, on pavements, for use under medium duty vehicular traffic including car parking areas.

HD20T/C250

Suitable for use in institutional areas, commercial areas, carriage ways, city trunk roads, bus terminals etc. with heavy duty vehicular traffic of wheel loads between 5-10 tonnes, like buses and trucks and parking areas where manhole chambers are located in between the middle of roads.

These covers can also be used for:

- Inspection chambers for sewerage.
- Underground electrical and telecom cable chambers.
- Water, Gas and Petroleum installations.
- Beautification of gardens and landscapes.



ADVANTAGES & FEATURES

Description	Simtex	RCC	Cast Iron
Life	High	Low	Moderate
Corrosion Resistance	High	Medium	Low
Strength To Weight Ratio	High	Low	Moderate
Scrap Value	Nil	Low	High
Colour	Wide Range	Concrete Grey	Black / Metallic
Finish	Fine	Poor	Rough
Abrasion Resistance	Yes	None	None
Cost	Comparable To CI	Low	Moderate
Handling	Easy	Very Difficult	Difficult

Advantages and features:

- SIMTEX covers are theft proof as they don't contain any metallic or plastic material.
- Top layer is specially fabricated to resist high abrasion.
- All SIMTEX covers are manufactured using UV stabilized pigments to provide resistance from effects of sunlight.
- SIMTEX covers do not have any holes for providing lifting handles, hence it prevents passage of foul smell, water and dust.
- Our covers come with specifically designed fibre cup closed at bottom and reinforced with SS 304 rod to provide proper lifting.

TEST CERTIFICATE



In-house Testing Facility

TESTING CERTIFICATE

Test Report

Project / Report No. / Date / Sample Description / Test Quantity / Test Method / Test Specification / Test Commencement Date / Test Completion Date

Observations

Sl. No.	Observation	Remarks	Remarks	Remarks
1	Load Test 2.2 RT	Spec. satisfied in compression load of 2.2 RT for 30 sec. There was no crack or deformation of the sample during the test.	Compliance	Satisfactory

Overall Remarks: The test was carried out as per customer's requirement.

Author: [Signature]

TESTING CERTIFICATE

Test Report

Project / Report No. / Date / Sample Description / Test Quantity / Test Method / Test Specification / Test Commencement Date / Test Completion Date

Observations

Sl. No.	Observation	Remarks	Remarks	Remarks
1	Permanent Test	The specimen did not fail during the test. The specimen was subjected to 2.2 RT for 30 sec. There was no crack or deformation of the sample during the test.	Compliance	Satisfactory
2	Load Test 2.2 RT	Spec. satisfied in compression load of 2.2 RT for 30 sec. There was no crack or deformation of the sample during the test.	Compliance	Satisfactory

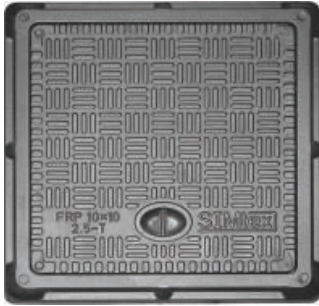
Overall Remarks: The sample meets the requirements of IS 5911 (SI 2200) Specification with regard to the above test and other.

Author: [Signature]



OUR PRODUCTS

Gully Grid Cover



Heavy Duty



Airtight Sealing



Special colors available on request

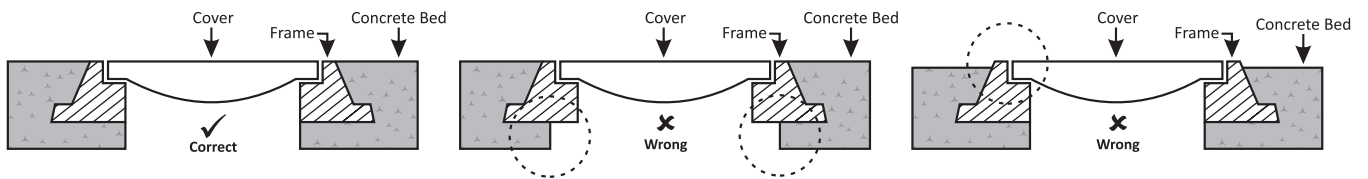


INSTALLATION PROCEDURE FOR FRP MANHOLE COVERS

Care Should be taken in handling of manhole covers and frames to prevent damage of edges and corners.

Installation Instruction :

1. Make sure that top level of the frame should match the road.
2. Prepare concrete bed considering height of the frame.
3. Frame should be allowed to set in concrete for a minimum time of 48 hrs. before its use.
4. Please note frame is not load bearing and therefore has to be completely supported from all sides.

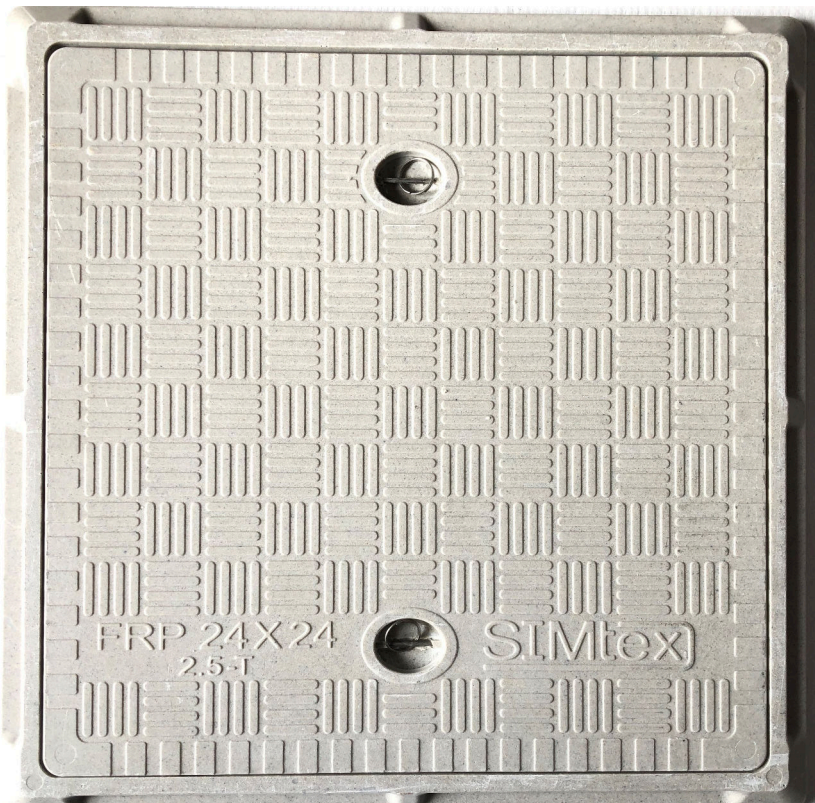


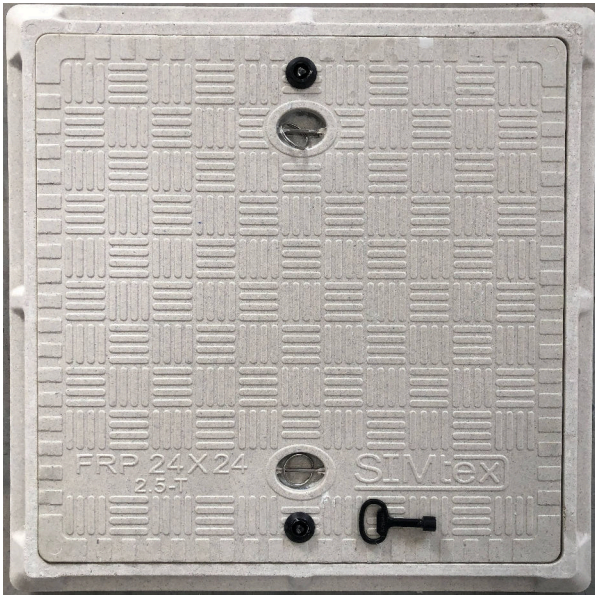
THE LIABILITY

Why people prefer SIMTEX FRP Cover ?

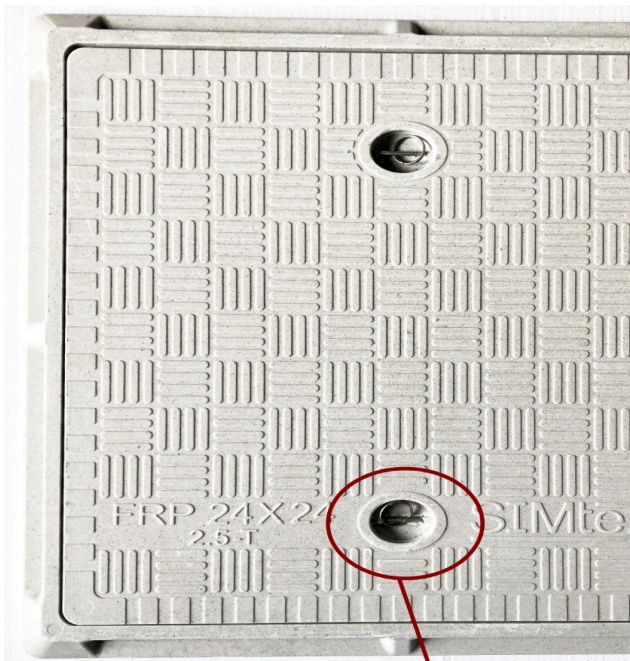
Manhole covers made out of cast iron installed on the roads & the respective sites tend to get stolen away due to its higher scrap value. The result of getting cast iron manhole cover being stolen creates unmanageable hassle for daily commuters on road and other installed areas. This creates a huge problem in our daily routine as below.



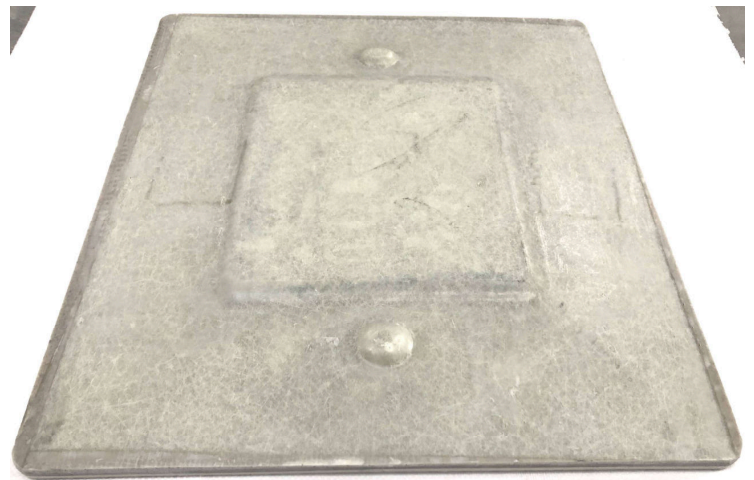




Manhole Covers with Anti-Corrosive Locks



Stainless steel Lifting Ring



Back side of 5Tonnes Capacity Cover



HEAVY DUTY Manhole Cover
10T/ B125 and 20T/C250

Manufactured & Marketed By:

SIMTEX INDUSTRIES PVT. LTD.

📍 Rajkot (Guj.) INDIA.

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Authorised Dealer

