



Simtex its time
for a change...



Manufacturer :

SIALON ENGINEERS

Rajkot (Guj.) INDIA.

Customer Care : sialonengineers@gmail.com

www.indiamart.com/sialonengineers

Authorised Dealer

- » Light Weight
- » Highly Durable
- » Long Life

SIALON ENGINEERS

FRP MANHOLE COVER

www.indiamart.com/sialonengineers

Design & Printed by:
OMEGA - 98032 04847

It Is Quality Rather Than
Cost That Matters...

THE COMPANY



Introduction

Established in the year 2011, We "Sialon Engineers" are a leading manufacturer & supplier of the best quality array of (Fiber Reinforced Plastic) FRP / GRP Manhole Covers and Chamber Covers. We have got years of industry experience in manufacturing these manhole covers. Our covers are widely appreciated among our patrons for their high strength, crack resistance and durability. Our professionals beautifully designed these products at par with global standards. All raw materials used are of industry approved standards. We have appointed skilled workers who are deeply engaged in delivering premium quality products to our clients. Also, marketing is being handled by our deft professionals having vast marketing knowledge. We are offering our products under the brand name "SIMTEX".

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

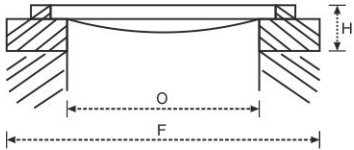
LIST OF AVAILABLE SIZE



SQUARE MANHOLE COVER

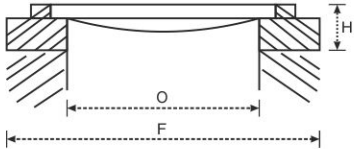


Product	Outer Frame Size (F)		Clear Opening (O)		Weight (kg.) Approx
	Inch	mm	Inch	mm	
SQUARE	10 X 10	250 X 250	7.8 X 7.8	195 X 195	2.0
	12 X 12	300 X 300	10 X 10	250 X 250	3.0
	15 X 15	380 X 380	12 X 12	300 X 300	4.5
	18 X 18	450 X 450	16 X 16	400 X 400	7.0
	21 X 21	535 X 535	18 X 18	450 X 450	9.0
	24 X 24	600 X 600	20 X 20	510 X 510	14.0
	28 X 28	710 X 710	24 X 24	610 X 610	19.5
	30 X 30	760 X 760	26 X 26	660 X 660	-
RECTANGULAR	9 X 12	230 X 300	7 X 10	165 X 235	1.7
	18 X 24	450 X 600	14 X 20	350 X 510	10.0
	21 X 28	535 X 710	18 X 24	450 X 610	15.0
ROUND	27.5	700	24	600	5.0



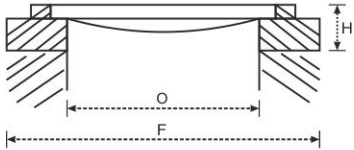
Available Size : 10 X 10 Inch
Available Colors: ■ Black ■ Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
10 X 10	250 X 250	7.8 X 7.8	195 X 195	22	2.0	2.5
10 X 10	250 X 250	7.8 X 7.8	195 X 195	22	2.0	5.0



Available Size : 12 X 12 Inch
Available Colors: ■ Black ■ Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
12 X 12	300 X 300	10 X 10	250 X 250	26	3.0	2.5
12 X 12	300 X 300	10 X 10	250 X 250	26	3.0	5.0



Available Size : 15 X 15 Inch
Available Colors: ■ Black ■ Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
15 X 15	380 X 380	12 X 12	300 X 300	26	4.5	2.5
15 X 15	380 X 380	12 X 12	300 X 300	26	4.5	5.0

APPLICATION

LD 2.5T

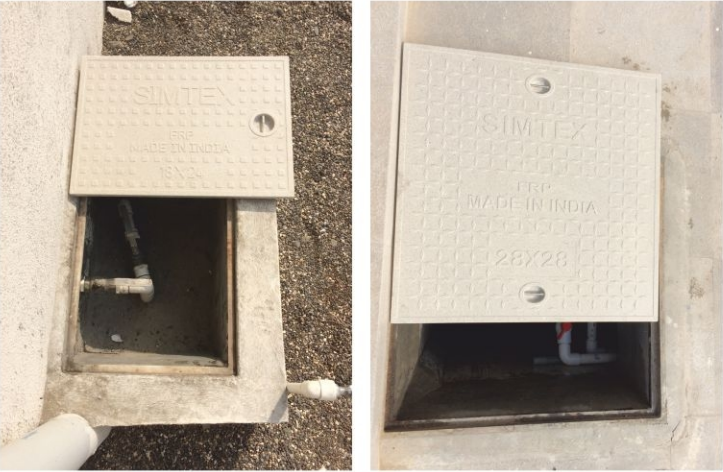
- Suitable for use within residential and institutional complexes with pedestrian but occasional light motor vehicle traffic. These covers are also used for inspection chambers.

LD 5.0T

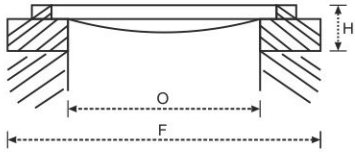
- Suitable for use in areas with motor vehicles traffic e.g. Underground parking or parking decks in residential areas.

General Applications

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

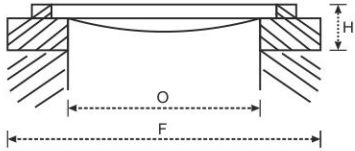


SQUARE MANHOLE COVER



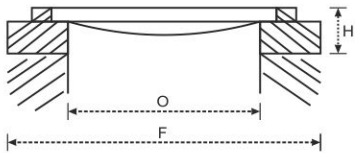
Available Size : 18 X 18 Inch
Available Colors : ■ Black ■ Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
18 X 18	450 X 450	16 X 16	400 X 400	28	7.0	2.5
18 X 18	450 X 450	16 X 16	400 X 400	28	7.0	5.0



Available Size : 21 X 21 Inch
Available Colors : ■ Black ■ Ivory

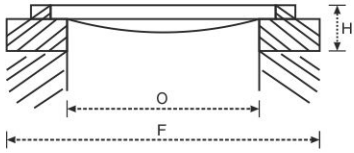
Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
21 X 21	535 X 535	18 X 18	450 X 450	28	9.0	2.5
21 X 21	535 X 535	18 X 18	450 X 450	28	9.0	5.0



Available Size : 24 X 24 Inch
Available Colors : ■ Black ■ Ivory

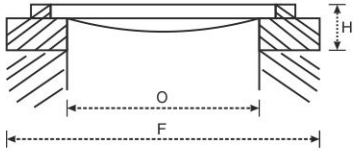
Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
24 X 24	600 X 600	20 X 20	510 X 510	33	14.0	2.5
24 X 24	600 X 600	20 X 20	510 X 510	33	14.0	5.0

SQUARE MANHOLE COVER



Available Size : 28 X 28 Inch
Available Colors : ■ Black ■ Ivory

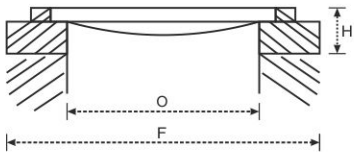
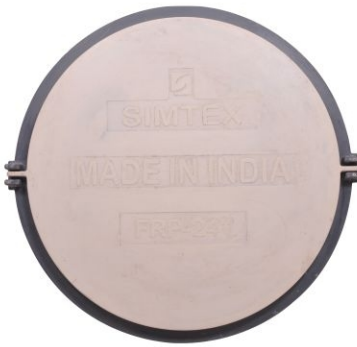
Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
28 X 28	710 X 710	24 X 24	610 X 610	33	19.5	2.5
28 X 28	710 X 710	24 X 24	610 X 610	33	19.5	5.0



Available Size : 36 X 36 Inch
Available Colors : ■ Black ■ Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
36 X 36	915 X 915	30 X 30	750 X 750	36	36.0	2.5
36 X 36	915 X 915	30 X 30	750 X 750	36	36.0	5.0

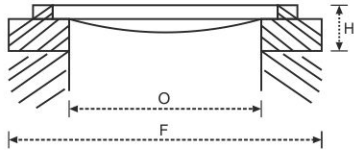
OVER HEAD WATER TANK COVER



Available Size : 27.5 Inch
Available Colors : ■ Black ■ Ivory

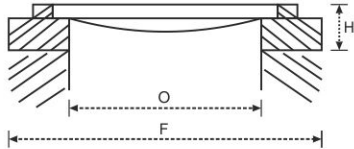
Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Kg.
Inch	mm	Inch	mm			
27.5	700	24	600	-	5.0	500 kg.

RECTANGLE MANHOLE COVER



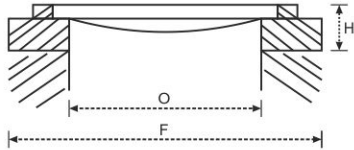
Available Size : 9 X 12 Inch
 Available Colors : Black Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
9 X 12	230 X 300	7 X 10	165 X 235	22	1.7	2.5
9 X 12	230 X 300	7 X 10	165 X 235	22	1.7	5.0



Available Size : 18 X 24 Inch
 Available Colors : Black Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
18 X 24	450 X 600	14 X 20	350 X 510	28	10.0	2.5
18 X 24	450 X 600	14 X 20	350 X 510	28	10.0	5.0



Available Size : 21 X 28 Inch
 Available Colors : Black Ivory

Outer Frame Size (F)		Clear Opening (O)		Height (H) mm	Weight (kg.) Approx	Capacity Tonnes
Inch	mm	Inch	mm			
21 X 28	535 X 710	18 X 24	450 X 610	33	15.0	2.5
21 X 28	535 X 710	18 X 24	450 X 610	33	15.0	5.0

ADVANTAGES & FEATURES

Water proof, Weather proof and Non Corrosive

Burglar Proof

Light Weight

Zero Scrap Value

Chemical & Slip Resistance

High Strength to Weight Ratio

Easy handling

Long Life

Thermal & Electrical Non Conductivity

जलरोधक, मौसम रोधक, जंगरोधक

चोरी की कोई संभावना नहि

वजन मे हलका

शून्य स्क्रैप वेल्यु

केमीकल रोधक और फीसलन अवरोधक

कम वजन मे उच्च शक्ति

सरल हेन्डलींग

लंबी आयु

गरमी और बिजली रोधक



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
Abrassion Resistance	Yes	None	None
Cost	Comparable To CI	Low	Moderate
Handling	Easy	Very Difficult	Difficult



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.



OUR PRESENCE

DOMESTIC

Gujarat :

Ahmedabad, Amreli, Anand, Baroda, Bhavnagar, Botad, Dwarka, Gandhinagar, Gir Somnath, Jamnagar, Junagadh, Kutch Bhuj, Mahesana, Morbi, Porbandar, Rajkot, Surat, Surendranagar, Valsad.

Maharashtra :

Amravati, Aurangabad, Dhule, Jalgoan, Mumbai, Nagpur, Nanded, Nashik, Parbhani, Pune, Raigadh.

Kerala :

Ernakulam, Kannur, Kozhikode, Malappuram, Thrissur, Palakad.

Tamilnadu :

Chennai, Coimbatore, Madurai, Tirunelveli.

Karnataka :

Bengaluru, Davangere, Mysuru, Hubli.

Andhrapradesh :

Vishakhapatnam, Chittoor, Vijaywada.

Madya Pradesh :

Bhopal, Indore, Jabalpur.

Chhatishgarh :

Raipur, Raigarh.

Jarkhand :

West Singhbhum.

Goa : Panji

GLOBAL

Tanzania, Zanzibar, Botswana, Malawi.

TEST CERTIFICATE



YOR LAB
Opp. Gondal Bypass BRTS Bus Stop, 150 Feet Ring Road, (West), Rajkot - 360 004.
Mo: 94266 94335 / 94266 10201 / 94266 34335 / 98250 34335
E-mail: yorlabindia@gmail.com / yorlabgk@gmail.com

Test Report
Report no. : CH - C16903 Date: 25/03/2016
Name of Party : Salan Engineers, Rajkot.
Name of Sample : FRP Manhole Cover
Grade/Variety/type/size/class : Nil
Declared value, if any & Other Detail : Nil
Sample id : 2424
Quantity : 1 Piece
Mode of Packing : Loose
Sealed or not : Unsealed
Any other information : Nil
Date of receipt of sample : 18/03/2016
Date of completion of testing : 25/03/2016
Instrument Utilized : Tensile Testing Machine

TEST RESULT ARE AS UNDER

Sr. No.	Elements	Observe value
01	Breaking Load	53.05 KN

Remarks:

Prepared By: [Signature] Authorized Signatory: [Signature]

NOTE:
(1) Sample not drawn by YOR Lab (2) The Results relate only to the sample tested. (3) YOR Lab has made their best endeavours to provide accurate and reliable information yor lab is not responsible for any financial liability due to any site of omission or error made. (4) Sample are preserved for 7 days. (5) Any ambiguity in best results should be brought forward to the lab management within this period. (6) Information provided by customer. (7) No Liability Accept if Sample Return Back.

END OF REPORT
INDUSTRIAL & LABORATORY SERVICES Page 3 of 1

YOR LAB
Plot No. 42/2, Survey No. 83, Opp. Gondal Bypass BRTS Bus Stop, 150 Feet Ring Road, (West), Rajkot - 360 004.
E-mail: yorlabindia@gmail.com / Web: www.yorlab.com Mo: +91 70698 34335 / 94266 34335

Test Report
Report no. : F 161940
Date : 02/06/2016
Name of Party : Salan Engineers, Rajkot - 360024
Sample Description : FRP Manhole Cover With Frame Size "38" x "38" Weight 7.5kg (Sintered)
Quantity : 01
Test Conducted : Compression Load Test
Test Specification : ---
Amendment of Standards, if any : Nil
Test Commencement Date : 02/06/2016
Test Completion Date : 02/06/2016

TEST RESULT ARE AS UNDER

Sr. No.	Test Description	Standard Specification	Test Results	Remarks
(1)	Compression Load Test	Test Load 49.82kN (5 Ton) shall apply till the full test load achieved for 30s/-2 sec. There shall be no crack nor failure of sample at the end of test.	Applied Compressive load of 52.50kN (5.27 Ton) for 30Sec. Observed no crack nor failure of sample	Satisfactory

Prepared By: [Signature] Authorized Signatory: [Signature]

NOTE:
(1) Sample not drawn by YOR Lab (2) The Results relate only to the sample tested. (3) YOR Lab has made their best endeavours to provide accurate and reliable information yor lab is not responsible for any financial liability due to any site of omission or error made. (4) Sample are preserved for 7 days. (5) Any ambiguity in best results should be brought forward to the lab management within this period. (6) Information provided by customer. (7) No Liability Accept if Sample Return Back.

AN ISO / IEC 17025 - NABL ACCREDITED LABORATORY
END OF REPORT
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INSTALLATION PROCEDURE FOR FRP MANHOLE COVERS

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

Installation Instruction :

1. Make sure that top level of the frame should match the road.
2. Prepare concrete bad 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.

