



FRP MANHOLE COVER



THE BEST AT
AFFORDABLE



FLORTEK INDUSTRIES

Available Size Range

		Outer Frame Size		Frame Clear Opening	
		MM	Inch	MM	Inch
2.5 & 5.0 Tonnes (Light & Medium Duty)		250 X 250	10 X 10	200 X 200	8 X 8
2.5 & 5.0 Tonnes (Light & Medium Duty)		300 X 300	12 X 12	250 X 250	10 X 10
2.5 & 5.0 Tonnes (Light & Medium Duty)		380 X 380	15 X 15	300 X 300	12 X 12
2.5 & 5.0 Tonnes (Light & Medium Duty)		450 X 450	18 X 18	380 X 380	15 X 15
2.5 & 5.0 Tonnes (Light & Medium Duty)		500 X 500	20 X 20	380 X 380	15 X 15
2.5 & 5.0 Tonnes (Light & Medium Duty)		535 X 535	21 X 21	450 X 450	18 X 18
2.5 & 5.0 Tonnes (Light & Medium Duty)		600 X 600	24 X 24	500 X 500	20 X 20
2.5 & 5.0 Tonnes (Light & Medium Duty)		660 X 660	26 X 26	560 X 560	22 X 22
2.5 & 5.0 Tonnes (Light & Medium Duty)		700 X 700	28 X 28	600 X 600	24 X 24
2.5 & 5.0 Tonnes (Light & Medium Duty)		750 X 750	30 X 30	660 X 660	26 X 26
2.5 & 5.0 Tonnes (Light & Medium Duty)		800 X 800	32 X 32	700 X 700	28 X 28
2.5 & 5.0 Tonnes (Light & Medium Duty)		900 X 900	36 X 36	750 X 750	30 X 30
2.5 & 5.0 Tonnes (Light & Medium Duty)		1070 X 1070	42 X 42	900 X 900	36 X 36
2.5 & 5.0 Tonnes (Light & Medium Duty)		230 X 300	9 X 12	165 X 235	7 X 10
2.5 & 5.0 Tonnes (Light & Medium Duty)		300 X 380	12 X 15	230 X 300	9 X 12
2.5 & 5.0 Tonnes (Light & Medium Duty)		300 X 450	12 X 18	230 X 390	9 X 16
2.5 & 5.0 Tonnes (Light & Medium Duty)		300 X 600	12 X 24	230 X 510	9 X 20
2.5 & 5.0 Tonnes (Light & Medium Duty)		450 X 600	18 X 24	350 X 500	14 X 20
2.5 & 5.0 Tonnes (Light & Medium Duty)		535 X 700	21 X 28	450 X 600	18 X 24
2.5 & 5.0 Tonnes (Light & Medium Duty)		600 X 750	24 X 30	500 X 660	20 X 26
2.5 & 5.0 Tonnes (Light & Medium Duty)		450 X 900	18 X 36	350 X 800	14 X 32
2.5 & 5.0 Tonnes (Light & Medium Duty)		600 X 900	24 X 36	500 X 800	20 X 32
2.5 & 5.0 Tonnes (Light & Medium Duty)		750 X 900	30 X 36	660 X 750	26 X 30
2.5 & 5.0 Tonnes (Light & Medium Duty)		600 X 1065	24 X 42	450 X 900	18 X 36
2.5 & 5.0 Tonnes (Light & Medium Duty)		785 X 1065	31 X 42	600 X 900	24 X 36
2.5 & 5.0 Tonnes (Light & Medium Duty)		400	16	300	12
2.5 & 5.0 Tonnes (Light & Medium Duty)		450	18	350	14
2.5 & 5.0 Tonnes (Light & Medium Duty)		500	20	400	16
2.5 & 5.0 Tonnes (Light & Medium Duty)		600	24	500	20
2.5 & 5.0 Tonnes (Light & Medium Duty)		710	28	600	24



Water Proof, Weather Proof &
Non Corrosive



Chemical &
Slip Resistance



Burglar Proof



Light Weight



Zero Scrap Value



High Strength to
Weight Ratio



Thermal & Electrical Non
Conductivity



Easy Handling



Long Life

SALIENT FEATURES

- Our Products are Provided with Double Seal
- Our Products are with Closed Key Hole To Prevent Foul Smell
- Our Products Have Option For Locking Facilities Upon Request
- Customized Colour Options Available On Request

HEAVY DUTY MANHOLE COVER

Load Capacity	Frame Clear Opening	
	MM	INCH
B125/12.5T, C250/25.0T & D400/40T	300 X 300	12 X 12
	450 X 450	18 X 18
	600 X 600	24 X 24
	750 X 750	30 X 30
	900 X 900	36 X 36
	450 X 600	18 X 24
	450 X 900	18 X 36
	600 X 900	24 X 36
	600	24



Outer Frame Size		Frame Clear Opening		Cover Dimension		Load Application
MM	INCH	MM	INCH	MM	INCH	
300 X 300	12 X 12	250 X 250	10 X 10	265 X 265	10 X 10	Pedestrian & Two Wheeler
450 X 450	18 X 18	350 X 350	14 X 14	395 X 395	15 X 15	
550 X 550	22 X 22	450 X 450	18 X 18	500 X 500	20 X 20	
380 X 380	15 X 27	250 X 560	10 X 22	300 X 600	12 X 24	
500 X 660	20 X 26	380 X 535	15 X 21	450 X 600	18 X 24	



FRP/GRP RECESSED MANHOLE COVER

Load Capacity	Recess Depth : 35 MM & 65 MM	
	Frame Clear Opening	
2.5 & 5.0 Tonnes	MM	Inch
	300 X 300	12 X 12
	450 X 450	18 X 18
	600 X 600	24 X 24





COMPARISON

Description	Flortek	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



IN HOUSE POINT LOAD TESTING FACILITY

THE LIABILITY

Why People Prefer Flortek 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.



FRP/GRP MOULDED GRATINGS

WHY FRP/GRP GRATINGS ?

Corrosion Resistant - It Gives Resistance Against Almost All Chemicals & In Most Hostile Environments.

Light Weight - Density Compared To Steel Is 4 Times Less.

Non Conductive - It Does Not Carry Any Electric Current.

Impact Resistance - Returns To Original Position Without Any Permanent Deflection Or Distortion.

Dimensional Stability - The Coefficient Of Thermal Expansion Of Pultruded Products Are Marginally Very Less Then Aluminum And Steel.

Maintenance Free - No Rework Like Painting Or Cleaning Required.

Life Cycle - Long Durability Ensures Lowest In Life Cycle Cost.

Easy To Install - No Welding Required While Installing. **UV Resistant** - Inbuilt UV Resistance Gives Protection From Direct Sunlight Exposure.

Low Installation Cost - Being Light Weight, It Can Be Installed By Anybody Easily.

No Rusting No Painting - Required As The Colour Is Inbuilt And Different Colour Options Are Available To Suit Your Plant Colour.

Very High Strength To Weight Ratio Which Helps In Structural Saving.

High Impact & Fatigue Strength.

Fire Retardant.

Resistant To Chipping & Cracking.

Aesthetically Pleasing Appearance.



Legend	Thickness (mm)	Bar Thickness (Top/Bottom)	Mesh Size (mm)	Pannel Size (mm)
	25	7.0/5.0	38x38	1220x3660
	30	7.0/5.0	38x38	1220x3660
	38	7.0/5.0	38x38	1220x3660

Available Dimensions in close rib (MM)

83	121	159	197	235	273	311	349	387	425
463	501	539	577	615	653	691	729	767	805
843	881	919	957	995	1033	1071	1109	1147	1185
1223									

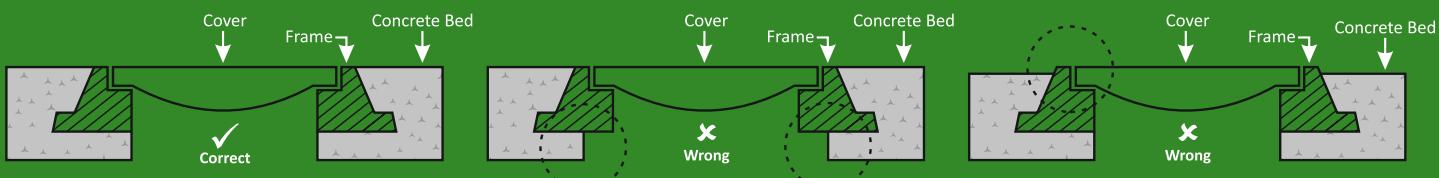
Customizw Dimensions Available On Request

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.



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.

HD40/D400

Carriage ways of roads and parking areas for all types of road vehicles

These covers can also be used for:

1. Inspection chambers for sewerage.
2. Underground electrical and telecom cable chambers.
3. Water, Gas and Petroleum installations.
4. Beautification of gardens and landscapes.



Manufactured & Marketed By:

FLORTEK INDUSTRIES

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Authorised Dealer