



FIBROLAST
COMPOSITES LLP



ULTIMATE DRAIN COVER SOLUTION



TECHNICAL CATALOG

MAY 2024 . VOL1

MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES





*Quality is never an accident; it is always the
result of intelligent efforts.*

John Ruskin



OUR JOURNEY

Fibrolast Group: Building Value and Success for 15 Years

Fibrolast Group has carved a niche as a trusted provider of construction and industrial supplies, operating for **over 15 years** with a steadfast commitment to quality, innovation, and customer satisfaction. Our diverse portfolio caters to a multitude of project needs, offering comprehensive solutions across four key segments:



COMPREHENSIVE BUILDING SUPPLIES

- **Precast Concrete Products:** From robust panels to intricate architectural elements, we deliver **precast solutions** that prioritize both structural integrity and aesthetic appeal.
- **Industrial Hardware:** We source and supply a comprehensive range of high-quality **industrial hardware**, ensuring the smooth operation and maintenance of your projects.
- **Plumbing Accessories:** From essential fixtures to advanced water management systems, we provide all the **plumbing accessories** needed for efficient and reliable installations.

WHY CHOOSE FIBROLAST?

Unique Selling Propositions (USPs):

- **Proven Track Record:** Consistent ₹50 Crore turnover across companies.
- **Expertise & Experience:** Global quality standards delivered by skilled professionals.
- **Strategic Diversification:** Mitigated risk, wider market reach.

LOOKING AHEAD

Fibrolast Group is geared towards continuous growth and innovation. We leverage our strengths and expertise to develop cutting-edge solutions that address the ever-changing demands of the construction and industrial sectors. By continuously investing in our people, technology, and product development, we aim to solidify our position as a leading provider of high-quality, sustainable solutions for years to come.



WHY FIBROLAST?



Reasonable Rate



In-House Testing as per standards



Experienced Manufacturing Team



Superior Quality Products



Timely Delivery of Products



After Sales Support

AREA TO BE USED



ELD 2.5 tons

Suitable for pedestrian areas like footpath residential institutional complexes



LD 5 tons

Suitable for movement of LMV (Light Motor Vehicle) in underground parking area and residential parking area.



MD 12.5 tons

Suitable for service lane, for medium weight motor vehicle traffic or small good carriers vehicles



HD 25 tons

Suitable for institutional, commercial areas, carriage areas & bus terminal



EHD 40 tons

Suitable for carriageways in commercial areas and industrial parks godowns



WHAT IS FRP?

FIBRE-REINFORCED POLYMER (FRP)

A composite material consists of a polymer matrix strengthened with fibers. Typically, the fibers are glass fibers, while the polymer is often epoxy, vinylester, or polyester thermosetting plastic. Additionally, phenol formaldehyde resins are still utilized. FRPs find widespread applications in aerospace, automotive, marine, construction industries, and ballistic armor.

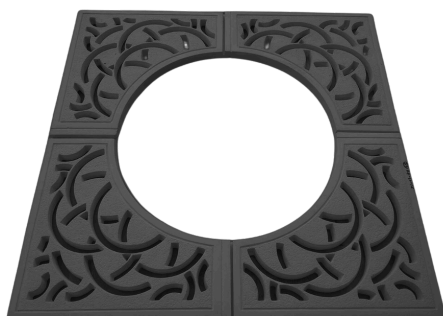
During compression molding, a "preform" or "charge" of SMC or BMC is inserted into the molding cavity. The mold is then shut, and the material is shaped and cured under pressure and heat. Compression molding allows for intricate detailing of shapes from patterns and reliefs to intricate curves and imaginative forms, enabling precise engineering all completed within a maximum curing time of 20 minutes.

COMPRESSION MOULDING

When raw materials with reinforced fibers are compressed and molded at specific pressures and temperatures, the result is known as an FRP molded product, classifying it as a fiber-reinforced polymer. Typically, the polymer preform used in compression molding includes reinforcing fibers.

ADVANTAGES AND LIMITATIONS

Fiber Reinforced Polymers (FRP) enable the customization of glass fiber alignment to meet particular design requirements. By defining the orientation of the reinforcing fibers, the polymer's strength and ability to withstand deformation can be enhanced. Glass-reinforced polymers exhibit maximum strength and resistance to deformation when the polymer fibers are subjected to a force in parallel.





COMPARISON

CI / DI MANHOLE COVERS	FIBROLAST
Heavily prone to theft as material is reprocessible & has high resale value	Free from fear of theft as the material is non reprocessible and has no resale value.
Difficult to handle due to very heavy weight	Easy to handle due to light weight.
High risk of injury due to heavy weight.	No risk of injury due to light weight. Good resistance to extreme temperature.
Gets rusted with chemical / sewage / rain water.	Does not rust due to chemical / sewage / rain water & no peeling / fading due to sunlight.
Low service life as it corrodes with the service conditions & has low impact resistance	High service life (min. 30 years) as it does not corrode and has high impact resistance.
Low on aesthetics.	High on aesthetics due to varied colors available.
Additional cost to be incurred for the corrosion resistant plate which is required below the cover to protect the cover from corrosion.	No additional cost to be incurred for the corrosion resistant plate which is required below the cover for protection from corrosion.
The covers regularly need expensive epoxy painting to be conducted for protection.	The covers are self pigmented and do not require expensive epoxy painting for protection throughout its life.
The proxy painting peels over a period as it is a secondary process.	Locking arrangement if required, to avoid displacement of covers due to back pressure in low lying areas.

ADVANTAGES

HIGH LOAD RATING AND STRENGTH:

Similar hardness in property as cast iron, but major advantages on stretch recovery and bend resistance. Less noise and lower vibration transmissions. Designed to meet and exceed A 15/ B125/ C250/ D400/ E600/ F900 loading rating, according to En 124: 1994.

AGAINST THEFT AND SAFETY OPTIONS:

Composite manhole covers offer significant advantages over cast iron. Their lack of scrap value eliminates theft, preventing accidents and reducing maintenance costs. An anti-slip surface ensures safety even in harsh weather, while optional locks enhance security. Additionally, they are non-conductive for added safety and UV resistant for long-lasting durability.

EASE IN INSTALLATION:

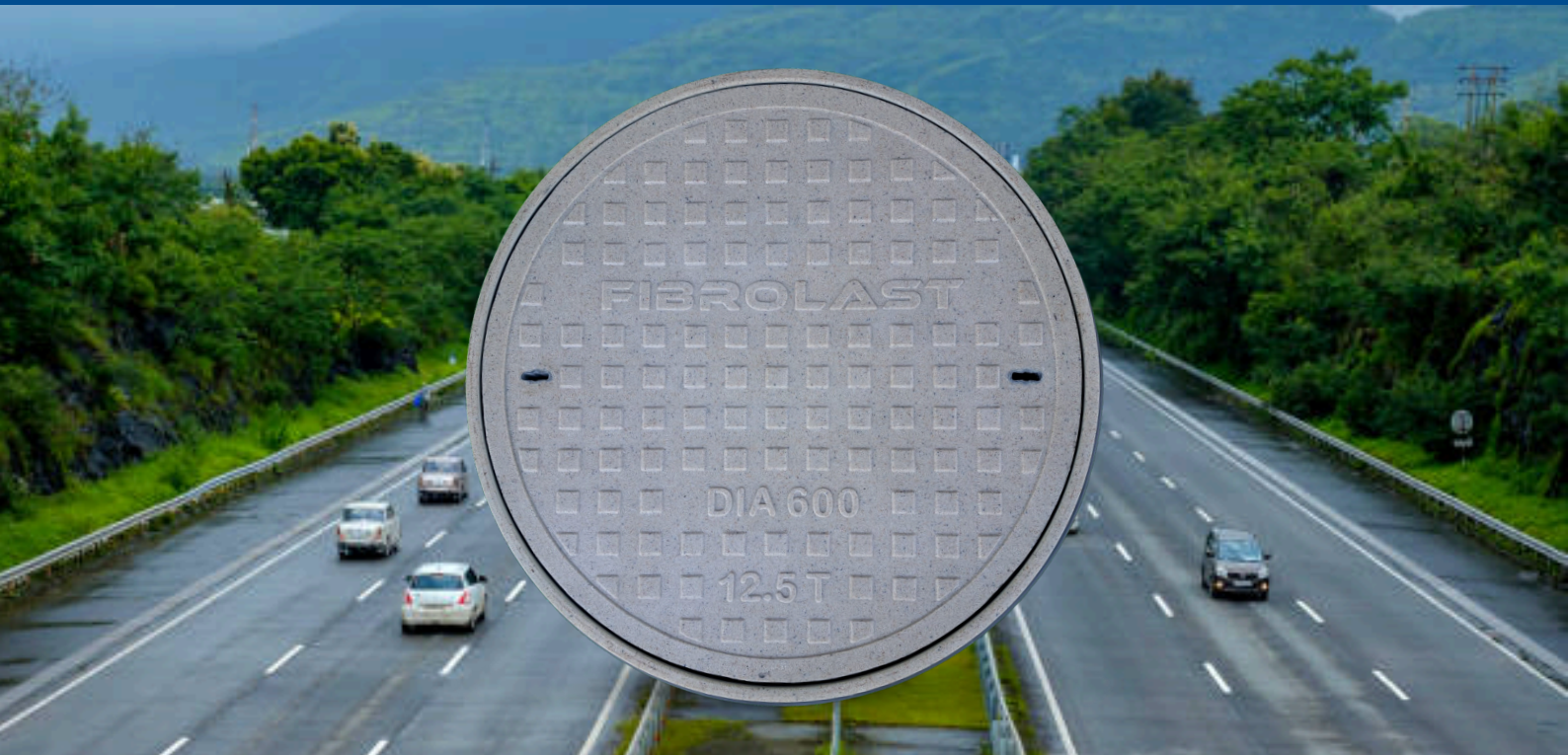
Compared with cast iron manhole covers, composited covers are 30% lighter. Lighter weight allows ease of handling, more loading per vehicle and more convenient transportation. This allows for safe working conditions, where a SINGLE worker is enough for a complete installation without risk of injury. Easy handling and movement reduce maintenance cost.

DURABLE SERVICE LIFE:

More than 30 years theoretical service life at usual road condition. Corrosion, dust, and waterproof. Seals prevent gas leaks. Handles extreme temperatures. Free design: customizable with client logos and innovative features. Superior detail compared to cast iron.



CIRCULAR MANHOLE COVER



CMHC - DIA 530

Tonnage	Class	Clear Opening	COVER			FRAME		Unit: mm Kg
			Size	Thickness	Kg	Size	Height	
2.5	2.5T	Dia 530	Dia 574	23	11.5	Dia 652	38	6
2.5	2.5T	Dia 530	Dia 580	30	16	Dia 660	43	8
5	5T	Dia 530	Dia 580	30	16	Dia 660	43	8
10	10T	Dia 530	Dia 592	30	20	Dia 685	52	10
12.5	B125	Dia 530	Dia 592	30	20	Dia 685	52	10
20	20T	Dia 530	Dia 614	40	27	Dia 732	73	17
25	C250	Dia 530	Dia 614	40	28	Dia 732	73	17
40	D400	Dia 530	Dia 628	45	32	Dia 754	80	21

CMHC - DIA 600

Tonnage	Class	Clear Opening	COVER			FRAME		Unit: mm Kg
			Size	Thickness	Kg	Size	Height	
2.5	2.5T	Dia 600	Dia 648	30	18	Dia 730	43	9
5	5T	Dia 600	Dia 648	30	18	Dia 730	43	9
10	10T	Dia 600	Dia 662	30	24	Dia 755	52	11
12.5	B125	Dia 600	Dia 662	30	24	Dia 755	52	11
20	20T	Dia 600	Dia 690	45	38	Dia 816	80	21
25	C250	Dia 600	Dia 690	45	38	Dia 816	80	21
40	D400	Dia 600	Dia 690	45	42	Dia 816	80	21

CMHC - DIA 900

Tonnage	Class	Clear Opening	COVER			FRAME		Unit: mm Kg
			Size	Thickness	Kg	Size	Height	
10	IOT	Dia 900	Dia 980	38	68	Dia 1083	69	20
12.5	B125	Dia 900	Dia 980	38	68	Dia 1083	69	20
20	20T	Dia 900	Dia 985	45	87	Dia 1113	76	30
25	C250	Dia 900	Dia 985	45	87	Dia 1113	76	30



UNDER GROUND TANK COVER



UGTC - DIA 600

Tonnage	Class	Clear Opening	COVER			FRAME		Unit: mm
			Size	Thickness	Kg	Size	Height	
2.5	2.5MT	Dia 600	Dia 660	25	24	Dia 805	48	11.5
5	5MT	Dia 600	Dia 660	25	24	Dia 805	48	11.5
10	IOMT	Dia 600	Dia 685	35	28	Dia 836	60	15.5
12.5	B125	Dia 600	Dia 685	35	28	Dia 836	60	15.5
20	20T	Dia 600	Dia 690	45	38	855X855	80	35
25	C250	Dia 600	Dia 690	45	38	855X855	80	35
40	D400	Dia 600	Dia 690	45	38	855X855	80	35





SQUARE MANHOLE COVER



SMHC - 300x300

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	300X300	330X330	15	3.1	380X380	30	1.6
5	5T	300X300	340X340	20	5.8	410X410	35	4.2
10	IOT	300X300	352X352	25	8	440X440	45	6
12.5	B125	300X300	352X352	25	8	440X440	45	6
25	C250	300X300	363X363	35	11	455X455	63	8
40	D400	300X300	363X363	35	11	455X455	63	8

SMHC - 450x450

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	450X450	480X480	25	9	570X570	40	4
5	5T	450X450	480X480	25	9	570X570	40	4
10	IOT	450X450	513X513	30	22	606X606	52	12
12.5	B125	450X450	513X513	30	22	606X606	52	12
20	20T	450X450	535X535	45	28	665X665	78	20
25	C250	450X450	535X535	45	28	665X665	78	20
40	D400	450X450	535X535	45	33	665X665	78	20

SMHC - 600x600

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	600X600	642X642	25	18	720X720	40	9
5	5T	600X600	642X642	25	18	720X720	40	9
10	IOT	600X600	663X663	30	36	756X756	52	14
12.5	B125	600X600	663X663	30	36	756X756	52	14
20	20T	600X600	688X688	45	49	816X816	80	26
25	C250	600X600	688X688	45	49	816X816	80	26
40	D400	600X600	688X688	45	49	816X816	80	26



SMHC - 750x750

Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit: mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	750X750	800X800	28	47	885X885	48	14
5	5T	750X750	800X800	28	47	885X885	48	14
10	IOT	750X750	810X810	35	58	910X910	65	18
12.5	B125	750X750	810X810	35	58	910X910	65	18
20	20T	750X750	836X836	42	81	956X956	74	30
25	C250	750X750	836X836	42	81	956X956	74	30
40	D400	750X750	836X836	42	81	956X956	74	30

SMHC - 900x900

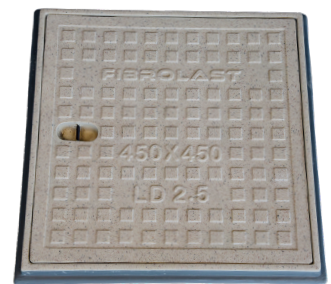
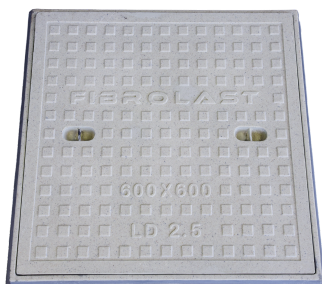
Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit: mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	900X900	953X953	40	53	1066X1066	68	27
5	5T	900X900	953X953	40	53	1066X1066	68	27
10	IOT	900X900	960X(482x2)	40	45x2	1066X1066	68	27
12.5	B125	900X900	960X(482x2)	40	45x2	1066X1066	68	27
20	20T	900X900	986X(491x2)	45	64X2	1116X1116	80	40
25	C250	900X900	986X(491x2)	45	64X2	1116X1116	80	40
40	D400	900X900	986X(491x2)	45	64X2	1116X1116	80	40

SMHC - 1000x1000

Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit: mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	1000X1000	1060X1060	40	77	1180X1180	65	33
5	5T	1000X1000	1060X1060	40	77	1180X1180	65	33
10	IOT	1000X1000	1078X(537X2)	40	60X2	1180X1180	65	33
12.5	B125	1000X1000	1078X(537X2)	40	60X2	1180X1180	65	33
20	20T	1000X1000	1089X(543X2)	45	85X2	1220X1220	80	46
25	C250	1000X1000	1089X(543X2)	45	85X2	1220X1220	80	46
40	D400	1000X1000	1089X(543X2)	45	90X2	1220X1220	80	46

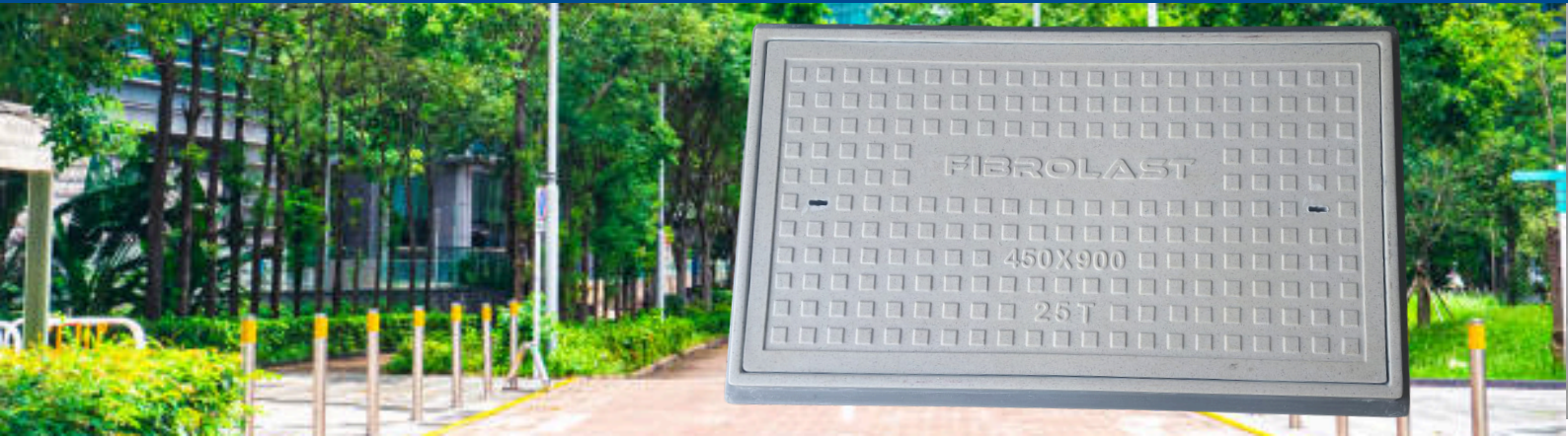
SMHC - 1200x1200

Tonnage	Class	Clear Opening	Cover			FRAME <small>Unit: mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	1200X1200	1287X(641X2)	42	87X2	1396X1396	69	46
5	5T	1200X1200	1287X(641X2)	42	87X2	1396X1396	69	46
10	IOT	1200X1200	1287X(641X2)	42	87X2	1396X1396	69	46
12.5	B125	1200X1200	1287X(641X2)	42	87X2	1396X1396	69	46
20	20T	1200X1200	1308X(651X2)	50	127X2	1438X1438	85	65
25	C250	1200X1200	1308X(651X2)	50	127X2	1438X1438	85	65





RECTANGULAR MANHOLE COVER



RMHC - 450x600

Tonnage	Class	Clear Opening	COVER			FRAME			Unit: mm
			Size	Thickness	Kg	Size	Height	Kg	
2.5	2.5T	450X600	500X650	22	18	568X718	37	9	
5	5T	450X600	500X650	22	18	568X718	37	9	
12.5	B125	450X600	513x663	30	28	606x756	52	13	
25	C250	450X600	538x688	40	33	654x804	73	22	
40	D400	450X600	538x688	40	33	654x804	73	22	

RMHC - 450x900

Tonnage	Class	Clear Opening	COVER			FRAME			Unit: mm
			Size	Thickness	Kg	Size	Height	Kg	
2.5	2.5T	450X900	505X956	25	32	580X1030	43	11	
5	5T	450X900	505X956	25	32	580X1030	43	11	
12.5	B125	450X900	516X962	30	43	606X1056	52	16	
25	C250	450X900	532X982	43	54	646X1096	70	22	
40	D400	450X900	536X986	45	56	668X1116	80	29	

RMHC - 600x900

Tonnage	Class	Clear Opening	COVER			FRAME			Unit: mm
			Size	Thickness	Kg	Size	Height	Kg	
2.5	2.5T	600X900	658X958	30	42	745X1045	56	15	
5	5T	600X900	658X958	30	42	745X1045	56	15	
12.5	B125	600X900	661X961	40	50	750X1050	62	18	
25	C250	600X900	682X982	43	72	798X1098	70	25	
40	D400	600X900	686X986	43	78	816X1116	80	32	

RMHC - 900x1200

Tonnage	Class	Clear Opening	COVER			FRAME			Unit: mm
			Size	Thickness	Kg	Size	Height	Kg	
2.5	2.5T	900X1200	971x(635x2)	40	54x2	1070x1370	65	33	
5	5T	900X1200	971x(635x2)	40	54x2	1070x1370	65	33	
12.5	B125	900X1200	971x(635x2)	40	62x2	1070x1370	65	33	
25	C250	900X1200	1007x(652x2)	45	84x2	1148x1448	85	68	
40	D400	900X1200	1007x(652x2)	45	84x2	1148x1448	85	68	



WATER GULLY COVER



WGC - 450x450

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
10	10T	450X450	517X517	38	20	608X608	60	12
12.5	B125	450X450	517X517	38	20	608X608	60	12
20	20T	450X450	535X535	45	26	665X665	78	20
25	C250	450X450	535X535	45	26	665X665	78	20
40	D400	450X450	535X535	45	28	665X665	78	20

WGC - 500x600

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
10	10T	500x600	586X686	45	30	715X815	80	26
12.5	B125	500x600	586X686	45	30	715X815	80	26
20	20T	500x600	586X686	45	38	715X815	80	26
25	C250	500x600	586X686	45	38	715X815	80	26

WGC - 600x600

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	600X600	663X663	30	23	756X756	52	14
5	5T	600X600	663X663	30	23	756X756	52	14
10	10T	600X600	667X667	35	33	758X758	57	14
12.5	B125	600X600	667X667	35	33	758X758	57	14
20	20T	600X600	687X687	45	47	816X816	80	26
25	C250	600X600	687X687	45	47	816X816	80	26
40	D400	600X600	687X687	45	47	816X816	80	26



WATER GULLY COVER

WGC - 600x900

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	600X900	661X961	40	45	750X1050	62	18
5	5T	600X900	661X961	40	45	750X1050	62	18
10	10T	600X900	661X961	40	52	750X1050	62	18
12.5	B125	600X900	661X961	40	52	750X1050	62	18
20	20T	600X900	686X986	45	71	816X1116	80	32
25	C250	600X900	686X986	45	71	816X1116	80	32
40	D400	600X900	686X986	45	71	816X1116	80	32

WGC - 900x900

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	900X900	960X(482x2)	40	45	750X1050	62	18
5	5T	900X900	960X(482x2)	40	45	750X1050	62	18
10	10T	900X900	960X(482x2)	40	52	750X1050	62	18
12.5	B125	900X900	960X(482x2)	40	52	750X1050	62	18
20	20T	900X900	960X(481x2)	45	71	816X1116	80	32
25	C250	900X900	960X(481x2)	45	71	816X1116	80	32
40	D400	900X900	960X(481x2)	45	71	816X1116	80	32

WGC - 750x750

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
20	20T	750X750	836X836	42	76	956X956	74	30
25	C250	750X750	836X836	42	76	956X956	74	30

WGC - 240x640

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	240x640	300x700	40	11	400x800	64	15
5	5T	240x640	300x700	40	11	400x800	64	15
12.5	B125	240x640	300x700	40	15	400x800	64	15
20	20T	240x640	300x700	40	15	400x800	70	17
25	C250	240x640	300x700	40	20	400x800	70	17
40	D400	240x640	300x700	45	20	400x800	70	17

WGC - 300x620

Tonnage	Class	Clear Opening	COVER			FRAME		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	300X620	380x700	35	16	460x860	65	18
5	5T	300X620	380x700	35	16	460x860	65	18
20	20T	300X620	380x700	45	21	460x860	70	20
40	D400	300X620	380x700	45	25	460x860	70	20



RECESSED COVER



RC - 300x300

Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit. mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	300x300	393x393	90	12	450x450	92	10
5	5T	300x300	393x393	90	12	450x450	92	10
12.5	B125	300x300	393x393	90	12	450x450	92	10
25	C250	300x300	393x393	90	15	450x450	92	10

RC - 450x450

Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit. mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	450x450	557x557	100	25	612x612	105	16
5	5T	450x450	557x557	100	25	612x612	105	16
12.5	B125	450x450	557x557	100	25	612x612	105	16
25	C250	450x450	580x580	125	39	662x662	135	20
40	D400	450x450	580x580	125	39	662x662	135	20

RC - 600x600

Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit. mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	600X600	708x708	85	32	768x768	105	20
5	5T	600X600	708x708	85	32	768x768	105	20
12.5	B125	600X600	708x708	85	37	768x768	105	20
25	C250	600X600	738x738	125	59	812x812	137	37
40	D400	600X600	738x738	125	67	812x812	137	37

RC - 450x900

Tonnage	Class	Clear Opening	COVER			FRAME <small>Unit. mm</small>		
			Size	Thickness	Kg	Size	Height	Kg
2.5	2.5T	450X900	574x1024	110	56	646x1096	120	31
12.5	B125	450X900	574x1024	110	56	646x1096	120	31
25	C250	450X900	574x1024	110	75	646x1096	120	31

OHT COVER



OHT - DIA 450

Tonnage	Clear Opening	COVER			FRAME <small>Unit: mm</small>		
		Size	Thickness	Kg	Size	Height	Kg
0.5MT	Dia 450	Dia 495	25	3	Dia 520	30	2

OHT- DIA 600

Tonnage	Clear Opening	COVER			FRAME <small>Unit: mm</small>		
		Size	Thickness	Kg	Size	Height	Kg
0.5MT	Dia 600	Dia 645	25	4	Dia 765	30	3

OHT- 600x600

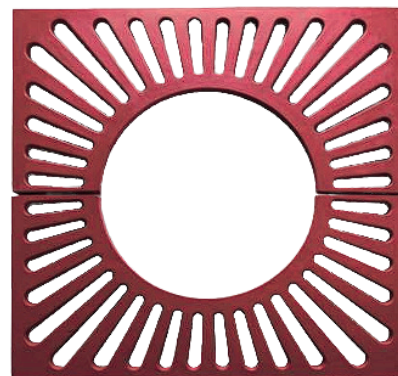
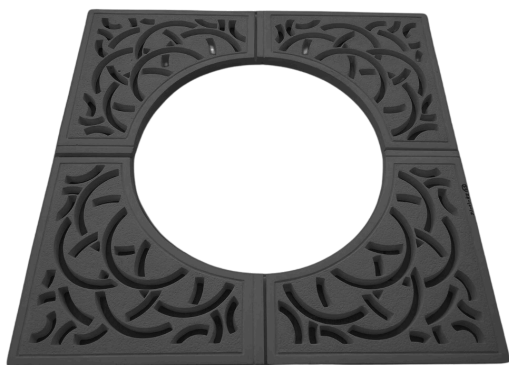
Tonnage	Clear Opening	COVER			FRAME <small>Unit: mm</small>		
		Size	Thickness	Kg	Size	Height	Kg
0.5MT	600X600	640X640	28	8	682X780	35	3.5



TREE GRATING

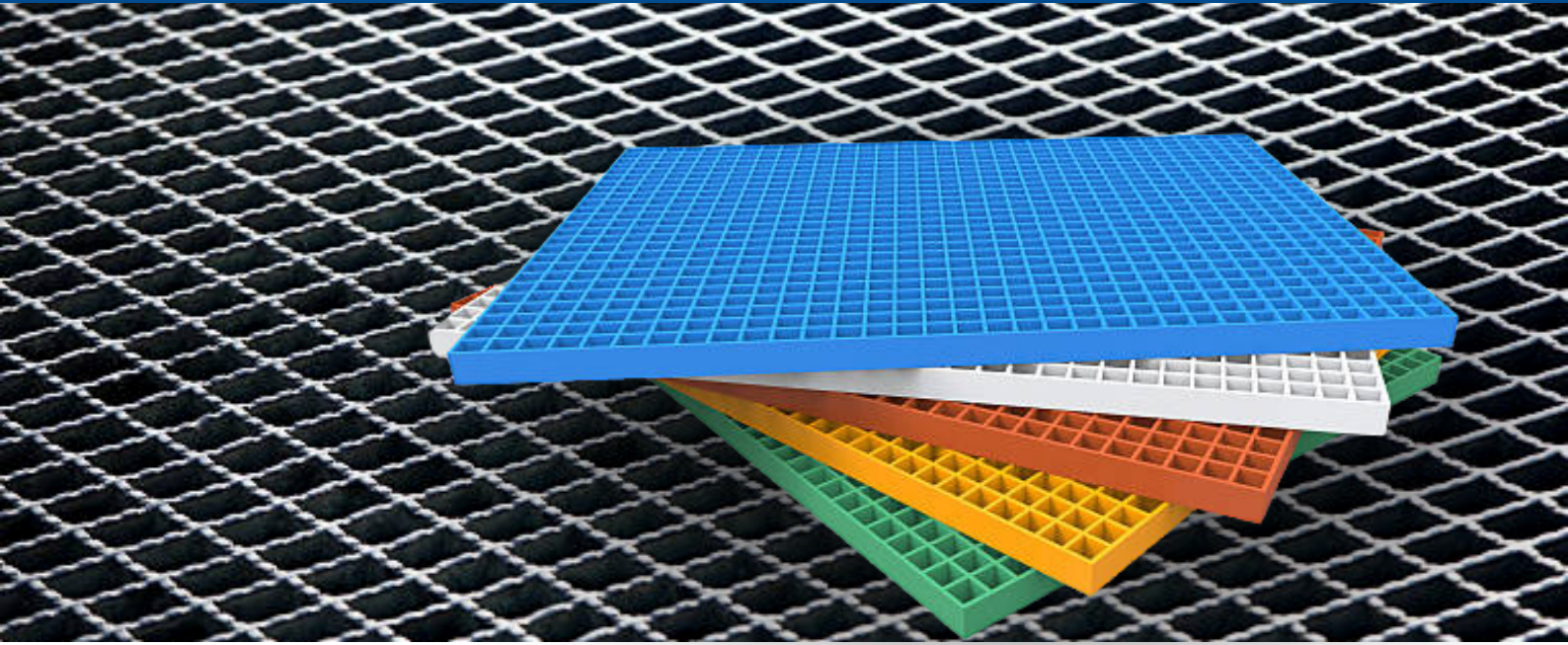


USAGE/ APPLICATION	TREE PROTECTION
COUNTRY OF ORIGIN	MADE IN INDIA
MATERIAL	FRP
APPLICATION	PARK,GARDEN ETC
DIA	900, 1200X1200





FRP GRATING



LOAD CAPACITY IN TONNAGE

GRATING CODE	SHEET SIZE	SIZE	MESH SIZE
GR254040	1007MM x 4127MM	25MM	40X40
GR253838	1007MM x 4127MM	25MM	38X38
GR304040	1007MM x 4127MM	30MM	40X40
GR384040	1027MM x 2047MM	38MM	40X40
GR303838	1007MM x 4127MM	30MM	38X38
GR383838	1007MM x 4127MM	38MM	30X30
GR403030	1007MM x 4127MM	40MM	30X30

COMMON SPECIFICATIONS

TYPE	GRATING DIMENSION (mm)	GRID DIMENSION (mm)	UDL (Kg/sqm)
Fibrolast 01	1220 x 3660	50 x 50 x 50	1000
Fibrolast 02	1220 x 3660	38 x 38 x 38	700
Fibrolast 03	1220 x 3660	38 x 38 x 30	400
Fibrolast 04	1350 x 4000	38 x 38 x 25	300

FRP GRATINGS

DESCRIPTION	FIBROLAST GRATINGS	HOT DIP GALVANIZED	STAINLESS STEEL
Strength to Weight Ratio	Excellent	Average	Average
Life Span	Excellent	Good	Very Good
Life Cycle Cost Effectively	Excellent	Good	Good
Chemical Resistivity	Excellent	Good	Excellent
Electrical Non - Conductivity	Excellent	Poor	Poor
Rust Proof Features	Excellent	Average	Excellent
Handling	Very Easy	Difficult	Difficult
Installation Cost	Very Low	High	High
Anti Skid	Available	Not Available	Not Available
Colour Selection	Available	Not Available	Not Available



TYPE OF SURFACE

TYPE OF SURFACE

Gritted Top Surface



Checker Plate Top Surface



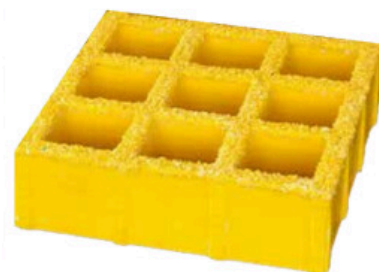
Plain Top Surface



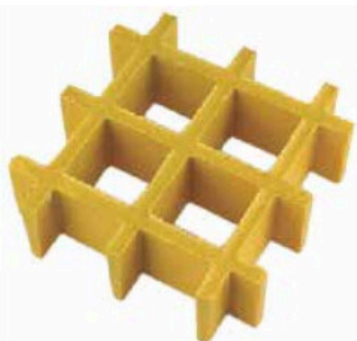
Smooth Surface



Gritted Surface



Meniscus Surface

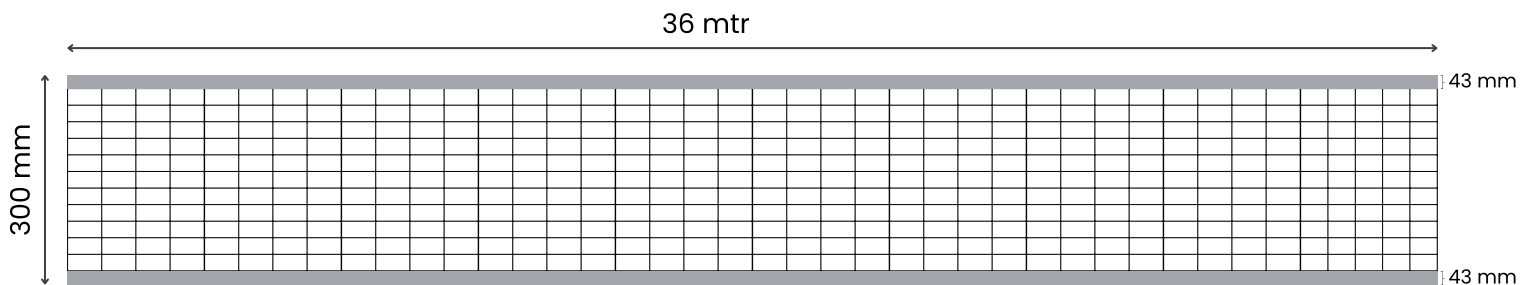


COMMON SPECIFICATIONS

TYPE	GRATING DIMENSIONS(MM)	GRID DIMENSIONS (MM)	UDL(KG/SQM)
Fibrolast-01	1220x3660	50x50x50	1000
Fibrolast-02	1220x3660	38x38x38	700
Fibrolast-03	1220x3660	38x38x30	400
Fibrolast-04	1350x4000	38x38x25	300



FRP MOLDED GRATINGS



GRATING CALCULATION

★ WIDTH & LENGTH OF GRATING

7	272	7	272	39	1490	71	2709
8	310	8	310	40	1528	72	2747
9	347	9	348	41	1566	73	2784
10	386 ★	10	386	42	1604	74	2823
11	424	11	424	43	1642	75	2860
12	462	12	462	44	1680	76	2898
13	500	13	500	45	1718	77	2936
14	538	14	538	46	1756	78	2974
15	576	15	576	47	1795	79	3012
16	614	16	615	48	1833	80	3050
17	652	17	653	49	1870	81	3088
18	690	18	690	50	1909	82	3127
19	728	19	729	51	1947	83	3165
20	767	20	767	52	1984	84	3202
21	804	21	805	53	2023	85	3240
22	842	22	843	54	2061	86	3279
23	880	23	881	55	2099	87	3316
24	918	24	919	56	2137	88	3355
25	956	25	957	57	2175	89	3398
26	994	26	995	58	2213	90	3430
27	1032	27	1033	59	2251	91	3469
28	1070	28	1071	60	2289	92	3507
29	1108	29	1109	61	2328	93	3545
30	1146	30	1147	62	2365	94	3583
31	1184	31	1185	63	2404	95	3622
32	1221	32	1223 ★	64	2442	96	3660

Grating Size : Opening + Resting Area
 300mm + 43mm + 43mm(Both Side)
 =386 mm

Required: Length/Maximum Width
 36000 mm / 1200 mm (Meter to MM)
 = 30 pcs



FRP MOLDED GRATINGS

Grating sizes: Height - 30mm

WIDTH	
HOLES	WIDTH
1	43
2	82
3	120
4	157
5	196
6	233
7	272
8	310
9	347
10	386
11	424
12	462
13	500
14	538
15	576
16	614
17	652
18	690
19	728
20	767
21	804
22	842
23	880
24	918
25	956
26	994
27	1032
28	1070
29	1108
30	1146
31	1184
32	1221

LENGTH					
HOLES	LENGTH	HOLES	LENGTH	HOLES	LENGTH
1	44	33	1261	65	2480
2	82	34	1299	66	2518
3	120	35	1337	67	2557
4	158	36	1376	68	2594
5	196	37	1414	69	2632
6	234	38	1452	70	2670
7	272	39	1490	71	2709
8	310	40	1528	72	2747
9	348	41	1566	73	2784
10	386	42	1604	74	2823
11	424	43	1642	75	2860
12	462	44	1680	76	2898
13	500	45	1718	77	2936
14	538	46	1756	78	2974
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25	957	57	2175	89	3398
26	995	58	2213	90	3430
27	1033	59	2251	91	3469
28	1071	60	2289	92	3507
29	1109	61	2328	93	3545
30	1147	62	2365	94	3583
31	1185	63	2404	95	3622
32	1223	64	2442	96	3660

Largest available grating size is 1221mm x 3660mm



TESTING



GC TESTING / FIBROLAST

Gos chromatography (GC) is a common type of chromatography used in analytical chemistry for separating and analyzing compounds that can be vaporized without decomposition. Typical uses of GC include testing the purity of a particular substance or separating the different components of a mixture (the relative amounts of such components can also be determined). Fibrolast runs all resin and release agents through GC to analyses priority and is the only player in the industry to carry out this practice. This helps us to control the quality of raw material that is used in our final product

TENSILE TESTING

Tensile testing, also known as tension testing, is a fundamental materials science and engineering test in which a sample is subjected to a controlled tension until failure. Properties that are directly measured via a tensile test are ultimate tensile strength, beaking strength, maximum elongation and reduction in area. Here as well, we use it to test the strength of all our fiber mat raw material and Fibrolast is the only one in this industry to follow this practices.

LOAD TESTING POST PRODUCTION

FIBROLAST FRP/GRP/COMPOSITE Manhole covers are tested for load bearing and permanent set as per BSEN 124:19991 and Is 1726. BESEN 124 is a testing code worldwide for Manhole Covers in cast iron, ductile iron, and other materials also. Permanent set is multiple loading tests to determine the permanent deformation in cover after multiple loading within a short time as specified in the code





Certificate of Registration

This is to Certify That
Quality Management System of

FIBROLAST COMPOSITES LLP

1ST FLOOR, 5/52, VISHWA, SION MAIN ROAD, SION WEST - 400022,
MAHARASHTRA, INDIA.

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope :

MANUFACTURER OF FRP / GRP / COMPOSITE MANHOLE COVERS,
WATER GULLY COVERS, WATER TANK COVERS, GRATINGS, FRP
BENCH, FRP RAILING & ALLIED FRP PRODUCTS.

Certificate No	: 24MEQRP34	
Initial Registration Date	: 30/03/2024	Issuance Date : 30/03/2024
Date of Expiry	: 29/03/2027	
1st Surve. Due	: 28/02/2025	2nd Surve. Due : 28/02/2026

ISO 9001:2015




DIRECTOR

Magnitude Management Services Pvt. Ltd.





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