



FRP/GRP MANHOLE COVERS

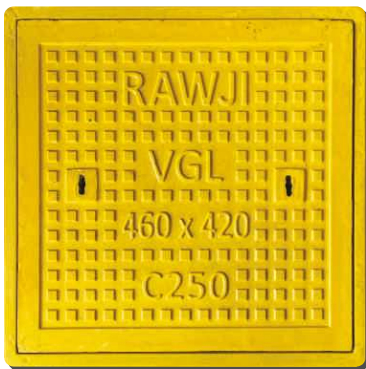
STANDARD SPECIFICATIONS

FRP Manhole Covers are made using thermoset material for long term durability. The material comprises of cross-linked polyesters combined with Fibreglass reinforced materials to sustain against wear-n-tear for heavy load vehicular traffic. It is 40% lighter than traditional Precast Concrete and Cast Iron covers. Provides upto 5 times more compressive strength. This resilient material withstands constant exposure to weather or sun without sacrificing security or aesthetics.

ADVANTAGES

- No resale value hence free from theft.
- Easy to handle and no risk of injury due to lightweight.
- Does not rust due to chemical /sewage / rainwater.
- High service life as it does not corrode and has high impact resistance.
- High on aesthetics. The covers are self pigmented and do not require periodical painting for maintenance.
- The pigments are built in the material and UV stabilized.
- Hence there is no peeling / fading of the colours due to sunlight.
- Resistance to extreme temperatures.

FRP / GRP MANHOLE COVERS



SQUARE
600MM X 600MM



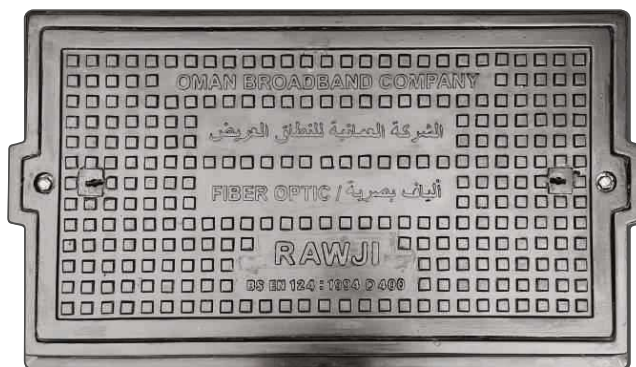
WATER GULLY COVER
600MM X 600MM



WATER GULLY COVER
900MM X 450MM



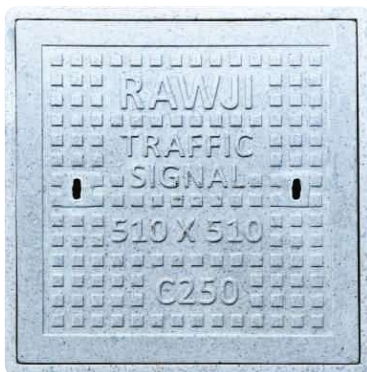
SQUARE
300MM X 300MM



EXPORT



SQUARE
450MM X 450MM



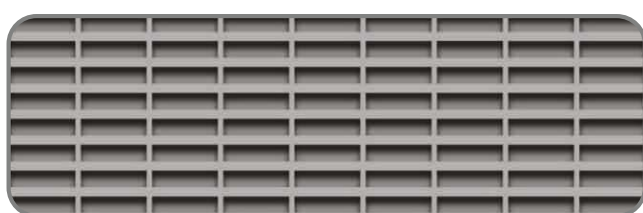
SQUARE



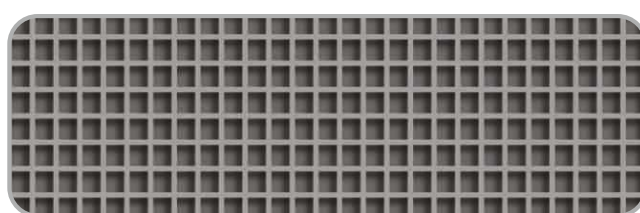
**UNDERGROUND
WATER TANK COVER
600MM DIA**



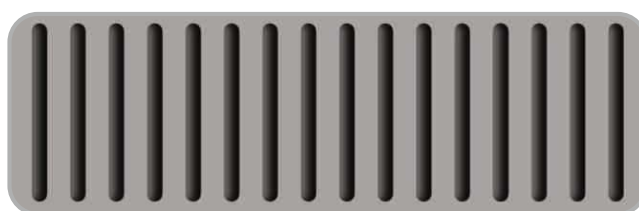
**CIRCULAR
600MM DIA**



PULTRUDED GRATINGS



MOULDED SQUARE GRATINGS



MOULDED GRATINGS

RECOMMENDED LOAD CAPACITY AS PER IS: 1726- 1991 & EN- 124

Group 1 (min Class A 15- 1.5 TON)

Areas which can only be used by pedestrians and pedal cyclists.

Group 2 (min Class B 125- 12.5 TON)

Footways, pedestrian areas and comparable areas, car parks or car parking decks.

Group 3 (min CLASS C 250- 25 TON)

For gully tops installed in the area of kerbside channels of roads which when measured from the kerb edge extends a maximum of 0.5 m into the carriageway and a maximum of 0.2 m into the footway.

Group 4 (min CLASS D400- 40 TON)

Carriageways off roads (including pedestrian streets) hard shoulders and parking areas for all types of road vehicles.

Group 5 (min CLASS E 600- 60 TON)

Areas imposing high wheel loads eg.: docks aircraft pavements.

Group 6 (CLASS F 900- 90 TON)

Areas imposing particularly high wheel loads, eg.: aircrafts pavements.



PRODUCT TYPE AND SIZES

CIRCULAR MANHOLE COVER WITH FRAME

in mm	in inches
530 Dia	21" Dia
600 Dia	24" Dia

RECTANGULAR MANHOLE COVER WITH FRAME

in mm	in inches
450 X 600	18" X 24"
450 X 900	18" X 36"
600 X 900	24" X 36"
900 X 900	36" X 36"

SQUARE MANHOLE COVER WITH FRAME

in mm	in inches
300 X 300	12" X 12"
450 X 450	18" X 18"
600 X 600	24" X 24"
900 X 900	36" X 36"

WATER TANK COVER

in mm	in inches
600 Dia	24" Dia

GULLY GRATINGS WITH FRAME

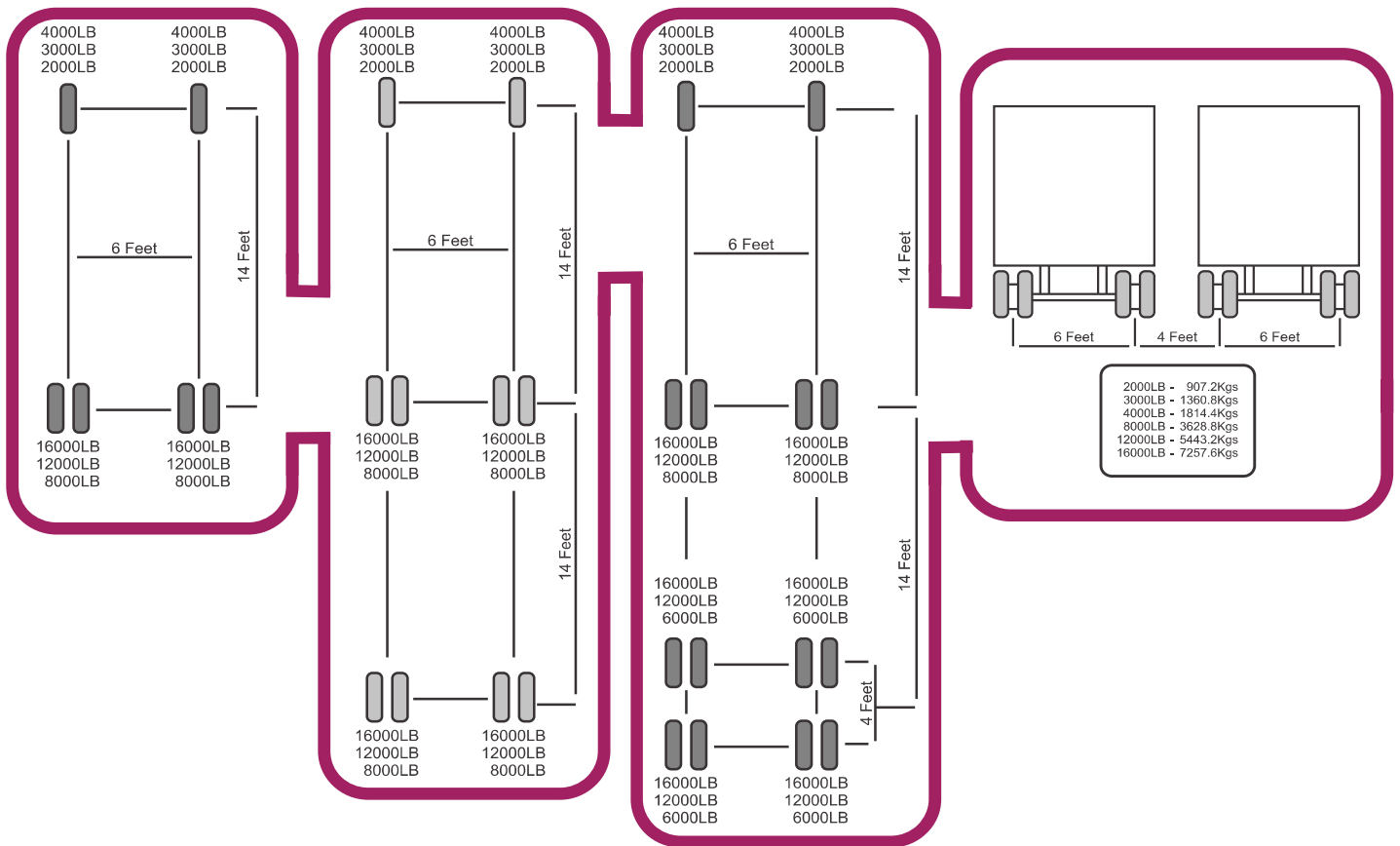
in mm	in inches
450 X 450	18" X 18"
450 X 600	18" X 24"
600 X 600	24" X 24"

CUSTOM SIZES AVAILABLE ON REQUEST

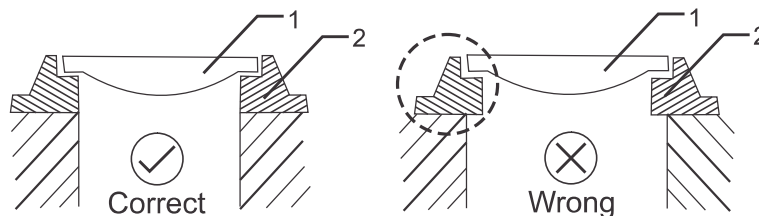
FRP MANHOLE COVERS COMPARISON TABLE

PARAMETER	FRP Covers	RCC	CI
Life Span	High	Low	Moderate
Strength/Weight Ratio	Very High	Very Low	Moderate
Cost	Comparable to CI	Low	Moderate
Scrap Value	Nil (Zero Scrap Value)	low	High
Colour Range	Range Available	Concrete Grey	Black
Logo Embossing	Available	Available	Not Available
Custom Design / Size	Available	Not Available	Not Available
Handling	Easy	Difficult	Difficult
Thermal Expansion	Nil	Negligible	High
Corrosion Resistance	High	Low	Medium
Abrasion Resistance	Yes	None	None

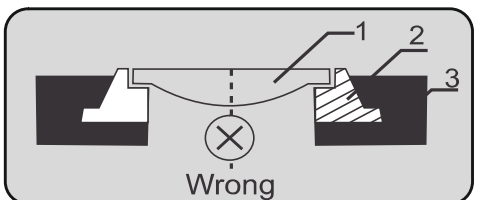
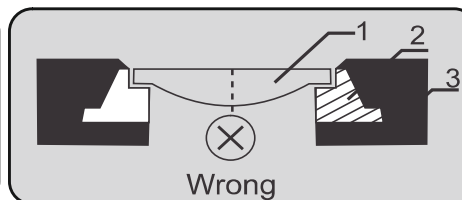
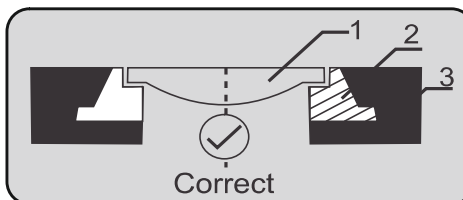
LIVE LOAD SPACING AS PER ASTM C 857



INSTALLATION PROCEDURE

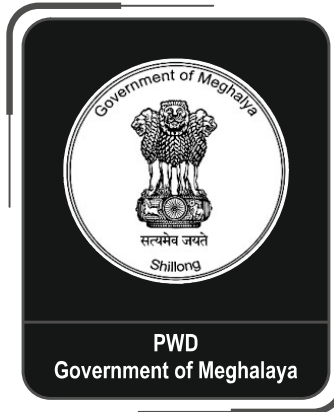


Please note that frame is not load bearing and therefore has to be completely supported from all sides



1. Manhole Cover / Grating 2. Frame 3. Concrete - Road level

APPROVALS



CERTIFICATIONS

एम एस एम ई परीक्षण केन्द्र, भारत सरकार, सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय, मुम्बई - 400 072
MSME Testing Centre, Govt. of India, Min. of MSME, Mumbai - 400 072

टेस्ट रिपोर्ट / Test Report

रिपोर्ट नं./Report No. : MSMETC-WR/MT/165/03/2021-22

सैम्पल - विवरण / Sample Description : FRP Manhole Cover with Frame 600 X 600 mm

मात्रा /Quantity : 01 no.

किया गया परीक्षण / Test Conducted : Marking, Load Test 25Ton, Breaking Load Test

परीक्षण विधि / Test Specification : As per customer's specification

मानक का संशोधन, यदि कोई हो / Amendment of Standards, if any : Nil

परीक्षण प्रारंभ दिनांक / Test Commencement Date : 04.03.2022

परीक्षण पूरा होने का दिनांक / Test Completion Date : 04.03.2022

अवलोकन / Observations

क्र. संख्या / S. No	परीक्षण विवरण / Test Description	मानक विधि / Standard Specification	परीक्षण परिणाम / Test Results	टिप्पणी / Remarks
1.	Load Test, 25MT	Shall withstand a compressive load of 25MT for 30 sec.	Sample withstood a compressive load of 25 Ton for 30 seconds.	Satisfactory
2.	Breaking Load Test	---	Breaking load observed 31 Ton	---
3.	Marking	Shall be duly marked	Sample observed to be marked as "GGL GAS RAWJI C250"	Satisfactory

General Remarks: - The sample meets the requirement of customer's specification with respect to the test carried out above.

द्वारा जारी / Issued by:

अधिकृत हस्ताक्षर / मानवत्कृत / श.उ.मि.के. / Authorized Signatory:

Certificate of Registration

This is to Certify That The Quality Management System of

RAWJI EXPORTS

UNIT 1: SURVEY NO. 139/PAIKI, OPP. HOLLY MERRY HIGH SCHOOL, RAHANAL VILLAGE BHIWANDI, DIST. THANE - 421302, MUMBAI, MAHARASHTRA, INDIA

UNIT 2: GALA NO. 52, 2ND FLOOR, MANISH INDUSTRIAL ESTATE NO. 5, VILLAGE - NAVGHAR, TAL. VASAI (EAST), DIST. THANE - 401 208, MUMBAI, MAHARASHTRA, INDIA

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope :

MANUFACTURE AND SUPPLY OF FIBER GLASS REINFORCED PLASTIC PRODUCTS AND PRE FAB CONTAINER CABINS.

Certificate No	22DQU46	Issuance Date	: 07/05/2022
Initial Registration Date	: 07/05/2022	Date of Expiry	: 06/05/2025
1st Surve. Due	: 07/04/2023	2nd Surve. Due	: 07/04/2024

QUALITY MANAGEMENT SYSTEM

DIRECTOR
ROHS Certification Pvt. Ltd.

B-3, 1st Floor, Sector-2, Okhla, Convent Road, Delhi - 110025
e-mail: info@rohscertification.com | website: www.rohscertification.com

The Registration is not a Product Quality Certificate. *Subject to successful completion of surveillance audits. Visit for verification on www.rohscertification.com

IAF **elaci**
CH-QMS-035

— **OUR OTHER PRODUCTS** —

— **FRP MOULDED DOORS** —



— **FRP CABINS** —



— **METAL PREFABRICATED CABINS** —





RAWJI EXPORTS

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