

SMC BMC Fiberglass Resin Composite FRP Manhole Cover

A. FRP Manhole Cover introduction

FRP Manhole Cover also called GRP manhole cover, mainly divided into SMC(Sheet Molding Compound) and BMC(bulk molding compounds) covers according to material difference. They are both fiber reinforced plastic manhole covers.

FRP(Fiber reinforced plastic) is newly developed material of manhole covers. Before FRP came into existence, manhole cover were traditionally manufactured from concrete, steel fibre concrete, cast iron, ductile iron or PVC material, but these materials had their own shortcomings like low load carrying efficiency. FRP is considered to be the best alternate material for manhole covers as it has longer lifespan and has the capacity to withstand heavy loads. Increase in heavy traffic and expensive metals completely replaced traditional covers with FRP manhole covers.

B. FRP Composite Manhole Cover Advantages

1. Non recyclable which makes it of no value, hence eliminate incentive for stealing.
2. Resists weight for up to 40 tons.
3. Lightweight.
4. Bottom lid designed to maintain perfect fit and avoid displacement.
5. Non-Abrasive.
6. Resists bacteria and will not rot.

C. FRP Manhole Cover Types



Different material Manhole Covers Comparison Table

Item	RCC	CI	FRP
Service life	☆	☆☆	☆☆☆
Strength / Weight Ratio	☆	☆☆	☆☆☆
Cost	☆	☆☆	☆☆☆
Scrap Value	☆	☆☆	☆☆☆
Colour Range	☆(Grey only)	☆(Black only)	☆☆☆(customized)
Finishing	None	☆(Rough)	☆☆☆(Granite Finish)
Locking System	None	None	☆☆☆
Logo Embossing	None	None	☆☆☆
Custom Design/Size	None	None	☆☆☆
Handling	☆	☆	☆☆☆

Thermal Expansion	☆☆	☆	☆☆☆
Corrosion Resistance	☆	☆☆	☆☆☆
Abrasion Resistance	☆	☆	☆☆☆

D. Package & Delivery

Package	Delivery
1. Packed on plywood pallet	1. Samples: 2-3 days
2. Packed in plywood case	2. Mass production: 7-15 working days after receive payment
3. Load in container directly	3. Delivery terms: EXW, FOB, CIF, DDP all can be accepted



E. FRP Profiles Applications

1. Underground Electrical Installations: Draw pits, Traffic lights, Street lighting, Fiber optic cable ducts;
2. Telecommunications: Connection chambers, Water, Gas, Petrol-chemical installations.
3. Urban Building Solutions: Pedestrians and comparable areas, Car parking decks, Gully tops.
4. Road Construction: Road cover and the load is suit for all the road vehicles.



F. Factory Profiles

Foreth Industrial Co., Ltd is a fast-developing enterprise which is mainly specialized in FRP(fiber reinforced plastic) products, and operates in a global marketplace. Foreth team supply clients with FRP sheets, FRP sandwich panels FRP gratings, composite manhole covers,FRP profiles, FRP roofing sheets etc,with a wide range of applications across the construction,marine,off highway,rail,water treatment and engineering industries.

Additionally, we have rich experience in exporting and supplying high quality products and excellent service.

Feel free to contact us if any query you may have and we will be happy to assist you.We hope to be your reliable supplier & stable partner by establishing long time as well as joyful business relationship with your esteemed company!

WHY CHOOSE US



Foreth Industrial Co., Ltd. is a rapid development of enterprises, mainly Specializing in glass fiber reinforced plastic (fiber reinforced plastic) products and in global market. We have been in the glass fiber reinforced plastic industry for 15 years.

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