



## FRP Pit Cover Datasheet

### Product Description:

Fiber Reinforced Plastic (FRP) pit covers are durable, lightweight, and corrosion-resistant solutions for covering pits and other access points. These covers are available in various sizes to suit different applications and are designed to withstand heavy loads while providing a non-slip surface.

### Product Specifications:

Parameter	Small (6")	Medium (10")	Big (12")
<b>Cover Diameter</b>	6 inches (152.4 mm)	10 inches (254 mm)	12 inches (304.8 mm)
<b>Cover Thickness</b>	2 mm	3 mm	5 mm
<b>Material</b>	Fiber Reinforced Plastic (FRP)	Fiber Reinforced Plastic (FRP)	Fiber Reinforced Plastic (FRP)
<b>Weight</b>	413 grm	1kg 140grm	1kg 315grm
<b>Temperature Resistance</b>	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
<b>Chemical Resistance</b>	Resistant to acids, alkalis, and solvents	Same as small	Same as small

### Features and Benefits:

- **Durability:** Constructed from high-strength FRP (Fiber Reinforced Polymer) materials, these covers offer long-lasting performance even in challenging environments.
- **Corrosion Resistance:** Perfect for environments where exposure to chemicals, moisture, and extreme temperatures is common, ensuring the product remains functional over time.
- **Lightweight:** Designed for easy handling and installation, reducing the need for heavy lifting equipment and increasing efficiency during setup.
- **Non-Slip Surface:** Provides a safety feature by minimizing the risk of slips and falls, making it ideal for pedestrian and worker use in various settings.


- **UV Resistance:** The covers are built to withstand prolonged exposure to sunlight without losing their strength or aesthetic appeal, ensuring longevity in outdoor applications.

## Applications of Earthing Systems:

- **Electrical Substations:** FRP pit covers are used to cover earthing pits in electrical substations. They provide a safe and secure covering over grounding rods or cables, ensuring no accidental contact while also withstanding harsh weather conditions without rusting or corroding.
- **Telecommunications:** In telecommunications, FRP pit covers protect earthing systems for towers and ground networks. These covers are resistant to electromagnetic interference, making them suitable for sensitive earthing setups.
- **Industrial Sites:** Industries often use FRP pit covers to protect earthing systems in hazardous environments, such as chemical plants or power plants, where corrosion from chemicals and other substances could degrade conventional metal pit covers.
- **Railways:** Railway networks incorporate FRP pit covers to protect the grounding systems used in railway tracks and electrical equipment. The non-conductive nature of FRP helps avoid electrical risks and accidents.
- **Solar Power Plants:** In solar power plants, FRP pit covers protect earthing systems that are critical for grounding the electrical output. These covers ensure long-term durability even under intense sunlight and outdoor conditions.

## Safety Information:

- **Handling:** Use appropriate personal protective equipment (PPE) when handling and installing FRP covers.
- **Storage:** Store covers in a dry, shaded area to prevent unnecessary exposure to the elements before installation.
- **Load Limits:** Do not exceed the specified load capacity to avoid damage and ensure safety.



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**This datasheet provides detailed information about the FRP Pit Cover, ensuring all relevant technical and application-specific details are covered for users and installers.**