

Composite SMC Manhole Cover

This manhole cover is constructed from SMC composite material. It is created through a molding process using hydraulic equipment under high temperature and pressure.

Product Overview

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This manhole cover is engineered using Sheet Molding Compound (SMC), a high-performance composite material comprising unsaturated resin, fillers, and fiberglass. Manufactured through high-temperature and high-pressure hydraulic molding, it offers a durable, non-metallic alternative to traditional cast iron covers. Designed to meet international standards, it provides an ideal solution for urban infrastructure, combining longevity with superior anti-theft and anti-aging properties.

Technical Specifications

Material Composition	Unsaturated Resin, Fiberglass, Filler
Manufacturing Process	High-temperature and high-pressure hydraulic molding
Reinforcement	None (No steel bar reinforcement)

Performance Metrics

Service Life

20 years

Minimum Service Life

Weight vs Cast Iron

1/3 the weight of equivalent cast iron covers

Compliance & Standards

Certifications & Standards

ISO 9001 • BS EN 124

Key Features

Advantages

- Anti-theft (No recoverable value)
- Excellent aging and UV resistance
- High wear resistance
- Easy installation and maintenance
- Quiet operation (No bouncing/collision noise)
- Customizable aesthetic appearance