

# 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

### Composite SMC Manhole Cover

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