

COMPLIANCE CERTIFICATE

This document serves as a formal compliance statement for the manhole cover Model No. MC-260 (HD), a heavy-duty cast iron cover and frame unit designed for demanding infrastructure applications. It is manufactured from grey cast iron in accordance with the material requirements of ASTM A48 and is fully compliant with BS EN 124 standards, specifically Load Class D 400, making it suitable for locations subjected to heavy vehicular traffic loads up to 40 tons.

The unit is engineered with a square cover and frame design, incorporating machine-finished bearing surfaces to ensure a secure, vibration-reducing fit and extended product lifespan. The cover provides a clear opening of 900 x 900 mm, with an overall base dimension of 1100 x 1100 mm and a depth of 100 mm, making it suitable for large-access utility chambers and high-capacity underground systems.

Several functional design elements are integrated to improve performance, safety, and serviceability:

- A single-seal register that minimizes water and gas ingress, helping maintain environmental hygiene and preventing odor leakage.
- Four closed keyholes, offering improved security, preventing surface water or debris ingress, and enabling safe lifting with standard tools while reducing the risk of tool slippage or operator injury.

For surface protection, the cover is coated with Coal Tar Epoxy as the standard finish, providing excellent resistance to corrosion, chemical attack, and moisture. An optional Black Bitumen coating is available for projects requiring a traditional or less chemically resistant finish.

Each manhole cover is permanently marked with a cast-in inscription identifying the manufacturer's name, production batch number, and utility designation (e.g., SEWER, WATER, STORM, ELECTRIC, TELECOM) in both Arabic and English, along with the load class, applicable standard, country of origin, and project name if required. These inscriptions ensure full traceability, specification compliance, and ease of asset identification for utility and municipal applications.

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