

COMPLIANCE CERTIFICATE

This document serves as a formal compliance statement for the MC-170 A R4 (HD) Heavy-Duty Grey Cast Iron Cover and Frame Assembly. The product is manufactured in full accordance with ASTM A48 material specifications and meets all requirements outlined in the BS EN 124 standard for manhole and handhole covers, specifically under the D400 load classification. Designed to withstand service loads of up to 40 tons , this unit is suitable for installation in high-traffic areas such as roadways, highways, industrial zones, and commercial premises where heavy-duty access solutions are required.

The MC-170 A R4 (HD) features a circular cover mounted on a square frame, with precisely machined bearing surfaces that ensure a secure, vibration-free fit. This design enhances durability and reduces wear over time.

The unit provides a clear opening of 800 mm Ø, allowing safe and convenient access to underground utilities. Its overall base dimensions of 1070 x 1070 mm, combined with a depth of 150 mm, provide structural stability and reliable performance under both static and dynamic loading conditions.

In terms of functionality, the assembly includes a range of beneficial features including a single seal system to reduce surface noise and odor transmission, a register for precise alignment, closed key holes to prevent debris ingress, and dual prising slots for ease of lifting. The inclusion of locking bolts enhances security by deterring unauthorized access, while a flat rubber gasket ensures a tight, water-resistant seal that also dampens vibrations and minimizes operational noise. Additionally, four anchoring holes allow for permanent installation onto concrete foundations, ensuring long-term stability.

For corrosion protection, the unit is coated with Coal Tar Epoxy as standard , offering superior resistance in aggressive environments. Alternatively, a Black Bitumen coating may be selected for use in less corrosive conditions.

Each cover is permanently cast with essential identification details, including the manufacturer's name, production date, usage designation in both Arabic and English (e.g., مياه | WATER), load class (D400), applicable standard (BS EN 124), country of origin, and optionally, the project name. This ensures full traceability, regulatory compliance, and clear on-site identification throughout the product's lifecycle.

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