SIGMA Z-COAT

WITH BLACK ASPHALT TOP COAT FOR DUCTILE IRON FITTINGS



Specification Requirements

- SIGMA Z-COAT shall be applied per ISO 8179-2.
- Fittings shall be cement lined and asphalt coated inside per ANSI/AWWA C104.
- SIGMA Z-COAT shall contain not less than 85% ZINC content in dry film after application on the fitting outside surface with a finishing top layer of asphalt coating.

Benefits

- SIGMA Z-COAT provides galvanic protection to ductile iron for corrosive soil or wastewater immersion.
- SIGMA Z-COAT provides a 3 ½ mil physical barrier in addition to the galvanic protection of zinc.
- SIGMA Z-COAT has the ability to self-heal.
- SIGMA Z-COAT is the superior coating for castings such as fittings, which have rougher surfaces than ductile pipe. Rough surfaces and non-uniform shapes present a challenge for the coating to settle in an even manner. SIGMA Z-COAT is applied as a liquid, so it flows easily and fills the peaks and valleys completely
- Zinc-rich paint, such as SIGMA Z-COAT, is specified for field repairs.
- In highly corrosive soils, SIGMA suggests the use of SIGMA Z-COAT Fittings with V-Bio® enhanced polyethylene encasement.

Coating System

1. Zinc coating base layer over bare surface
2. Bituminous coating top coat
3. Stenciled "ZINC" for easy identification
4. Cement lining & bituminous coating (interior)

Standards

Fittings will also meet the following Standards where applicable:

01| ASTM A536 for Ductile Iron.

02| ANSI/AWWA C153/A21.53 for Ductile-Iron Compact Fittings.

03| ANSI/AWWA C110/A21.10 for Ductile-Iron and Gray-Iron Fittings.

04| ANSI/AWWA C111/A21.11 Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.

05| ANSI/AWWA C104/A21.4 Cement-Mortar Lining for Ductile-Iron Pipe and Fittings.

06| ANSI/ASME B16.1 for Flanged Fittings dimensional specification.

07| Certified to NSF/ANSI/CAN 61 and NSF/ANSI 372 for all interior coating.

08| Underwriters Laboratory (UL) Listed.

09| Factory Mutual (FM) Approved

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