



IRON STRONG

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Zinc Coated Ductile Iron Pipe

Although zinc coated Ductile Iron Pipe may seem new to North America, it was first introduced for use in North America in the 1980's by McWane Ductile's Canada Pipe Division, which was then known as CANRON.

The zinc coating forms a protective zinc oxide dielectric barrier. Zinc by-products, which are left behind after reacting in aggressive soils, form a healing protective barrier that cuts off further corrosion. Although zinc is an enhancement to protecting McWane Ductile Iron Pipe from corrosion, it does not provide stand-alone corrosion protection. Contrarily, V-Bio® Enhanced polyethylene encasement can be used effectively as a stand-alone corrosion protection system for Ductile Iron Pipe. Therefore, V-Bio® Enhanced polyethylene encasement is always the most effective form of corrosion protection for Ductile Iron Pipe.

McWane Ductile Zinc Coated Pipe:

- Consists of a layer of arc-applied or paint-applied, 99.99% pure zinc coating, having a mass of 200g/m².
- Has a finished layer of standard shop-applied bituminous paint in accordance with AWWA C-151.
- Pipe markings shall include the word "Zinc" in the pipe markings or label required by AWWA C-151 and/or other markings as deemed appropriate by the manufacturer.
- Shall comply with all applicable parts of ISO 8179 for zinc coatings.
- Minor scratches in the zinc coating will not need to be repaired due to the self-healing nature of zinc coatings. Larger areas shall be repaired by field application of a zinc-rich paint, in accordance with ISO 8179, except when the pipe is to be encased in V-Bio Enhanced Polyethylene Encasement.

