



## Permalok® Steel Coatings and Linings

Permalok® uses several options for our coatings and linings. The primary materials applied to Permalok products are:

**Coal Tar Epoxy** – A catalyzed, two-component lining that combines the corrosion-resistant characteristics of coal tar pitch with those of epoxy resin, resulting in a cured lining that will tolerate reasonable impact abrasion and flexing.

**Bitumastic** – Bitumastic is made from coal tars and blends of resins such as epoxy. A trade name often associated with long-term protection from water penetration, Bitumastic is an economical, heavy-duty material which protects piping subjected to water immersion.

**Madison Chemical “Corropipe II”** – Polyurethane coatings and linings are enhanced with an anti-microbial agent to protect pipes against microbiologically influenced corrosion (MIC, commonly known as hydrogen sulfide corrosion). Corropipe II protects against this type of corrosion by acting as a barrier between the corrosive elements (i.e. in wastewater systems) and the surface of the structure being protected. The anti-microbial agent in the coatings effectively reduces the number of bacteria in the environment, inhibiting the potential for MIC to occur. Corropipe II PW is NSF certified for potable water.

**Power Lonestar “Powercrete®”** – An epoxy based polymer concrete which protects the steel pipe under severe handling conditions. It is highly abrasion-resistant, and provides a smooth surface that allows for less drag resistance than standard concrete.