



Polymer-Coated Corrugated Steel Pipe

100-Year protection against abrasion and corrosion

CONTECH Corrugated Steel Pipe with TRENCHCOAT® heavy-gage polymer coating offers long-term protection for storm drains and culverts. Even under harsh conditions, TRENCHCOAT protects against abrasion and corrosion to provide at least 100 years of service life.

This tough film, bonded to both the inside and outside of CONTECH's galvanized Corrugated Steel Pipe, serves as a protective barrier—resisting corrosion from acids, salts and alkalis found in today's storm sewers and culverts. The film has been subjected to chemical resistance tests such as ASTM A 543 and A 742. These tests and others, including exposure to detergent, 10% sodium hydroxide (pH 14), 10% sodium chloride, 10% hydrochloric acid (pH less than 0.1) and 10% ammonium hydroxide dramatically demonstrate the corrosion resistance of TRENCHCOAT film.

TRENCHCOAT Site Research

The Dow Chemical Company has conducted field studies of corrugated steel pipe with its TRENCHCOAT heavy-gage protective film—under various environmental conditions—at numerous sites throughout the United States. From this research, DOW predicts the following service life expectancies:



Service Life	pH Levels	Resistivity
100 Years	5-9	1,500 ohm.cm>
75 Years	4-9	750 ohm.cm>
50 Years	3-12	250 ohm.cm>

TRENCHCOAT is available on corrugated steel pipe and pipe-arch as well as hydraulically superior products—such as Smooth Cor and ULTRA FLO. Your local CONTECH sales engineer can provide details on availability.

A TRENCHCOAT corrugated steel pipe system also provides excellent performance in methane gas recovery applications in landfills. The CSP is structurally capable of handling the heavy and settling loads in a landfill and the TRENCHCOAT provides added corrosion resistance to the pipe.

If you have a project with corrosive soil conditions such as bluish-gray or green clays or other tough environmental conditions, corrugated steel pipe coated with TRENCHCOAT polymer protective coating may be the solution to your drainage problems.



Installed in 1975 by the Arkansas State Highway Department as a test installation, this 66"-diameter TRENCHCOAT corrugated steel pipe remains in excellent condition. After 31 years of exposure to pH 5.5, sediment and moderate abrasion, the triple-barreled structure keeps on performing. Also, test sites in Michigan, Wisconsin and New York—under harsh conditions—demonstrate the superb performance of TRENCHCOAT.