

CONCRETE WEIGHT COATING

Industry leading anti-corrosion fusion bond epoxy pipe coatings



CONCRETE WEIGHT COATING

Concrete Weight Coating

The concrete weight coating (CWC) is a plant-applied coating used to provide negative buoyancy for offshore pipelines or for river or road crossing applications.

Bayou utilizes the compression wrap method of application which keeps the anti corrosion coating free of damage. Concrete is applied by wrapping a uniform layer while simultaneously wrapping reinforcing wire within the concrete coating for stability.

Product Benefits

- Concrete coating provides submerged weight stability and protects the external corrosion protective coating on pipelines installed offshore, at water crossings or in swamps along with mechanical protection at highway and railroad crossings
- Bayou has two concrete weight coating plants utilizing the compression process and provides densities of 140 pounds, 165 pounds and 190 pounds
- Plants are portable for "onsite" coating, which can significantly decrease shipping costs

CWC Product Process

- Utilizing a calculated mixture of cement, sand, iron ore, and wire wrap, concrete is applied to a predetermined thickness
- Bayou's CWC system is used in conjunction with other coating systems such as fusion bond epoxy
- Bayou also offers integrated anode installation to maintain the integrity of the cathodic protection system

To avoid slippage between the concrete and the anti corrosion coating, three methods are available:

- 1) The anti-corrosion coating can have a layer of rough coat applied to the exterior of the coating.
- 2) A thick spiral ridge can be created during the FBE coating process, creating a raised spiral throughout the length of the pipe.
- 3) A two-component epoxy adhesive may be used to bond freshly mixed concrete to the coated surface of the pipe.

Facility Locations

The Bayou Companies has two CWC coating facilities in New Iberia, Louisiana. Both facilities are capable of handling 2-inch to 48-inch diameter pipe up to 60 feet in length. If required, Bayou's mobile CWC facility enables Bayou to apply concrete coating in close proximity to the lay site for both domestic and international projects.

Typical Projects

Bayou has coated over 4.5 million feet of pipe with CWC

- 228,000 feet of 42-inch with 5.5 inches of 190# CWC - work completed in New Iberia
- 155,000 feet of 24-inch with 3.25 inches-4.10 inches of 140# CWC - work completed onsite in Georgia
- 247,000 feet of 20-inch with 2.50 inches and 2.75 inches of 210# CWC - work completed in New Iberia



An Aegion Company

The Bayou Companies, LLC
5200 Curtis Lane
New Iberia, LA 70560
337.369.3761
www.bayoucompanies.com