

Inner polyethylene-lined steel pipe (DHF-COAT-PE-I)

DHF-COAT-PE-I pipe linings are highly resistant to corrosion and wear, and therefore will contaminate neither the fluids being transported, nor the environment. Because of these features, DHF-COAT-PE-I is now widely used in power plants, water pipeline, shipbuilding, water reputation with all our customers.

The non-polar nature of the surface also minimizes contamination by marine growth, allowing uninterrupted flow of water.

An additional benefit is that the lining material does not produce harmful substances when burned, and therefore need not be separated from the pipe during scrapping.



Internal polyethylene-lined steel pipe



Internal polyethylene-lined steel pipe

Usage	Equipment / piping
Power plant	Circulating water pipes, pump cooling water pipes, drain piping of steam condenser, inlet cooling water pipes for auxiliaries, sea water electrolysis equipment, chemical piping flue gas desulfurization system piping.
Water transportation	Drinking water, drainage, water piping for agriculture, industrial water piping (sea water piping)
Shipbuilding	Oil tankers, LNG and LPG carriers, naval vessel, and other various vessels (cooling water piping, ballast water piping, fire-extinguishing piping, bilge piping, pure water piping, inert gas piping, drinking water piping, deck cleaning water piping)
Water treatment equipment	Chemical piping (chloric acid, sulfuric acid, hypochlorous acid, iron (III) chloride, sodium hydroxide.)
Petrochemical & natural resource	Sea water cooling piping, sea water fire-extinguishing piping, sea water piping for LNG carburetor, various kinds of liquid chemical piping
Public facilities	Fire-extinguishing and air-extraction piping in tunnels, snow melting equipment
Civil construction	Water supply piping, sanitary piping, city cooling and heating systems, ice-heat storage unit



Internal polyethylene-lined steel pipes



2,600φ internal polyethylene lined

Exter polyethylene lining (DHF-COAT-PE-E)

DHF's external polyethylene lined steel pipes have been supplied for many years as external anti-corrosion steel pipes in gas, electricity, oil and water transmission, etc. They have also been highly acclaimed for their reliability even under severe environments such as areas of extreme cold, desert regions and under the sea.



Plant piping



T-shaped pipe + external polyethylene



External polyethylene lined steel pipe



Induction pipe bend + external polyethylene lining

Inner polyethylene-lined steel pipe (DHF-COAT-PE-I)

Applicable standard: Japan Water Steel Pipe Association WPS-039 FPD.

This type of steel pipe requires short production lead time and simultaneous treatment procedure of both external and internal linings, to ensure consistent lining characteristics.



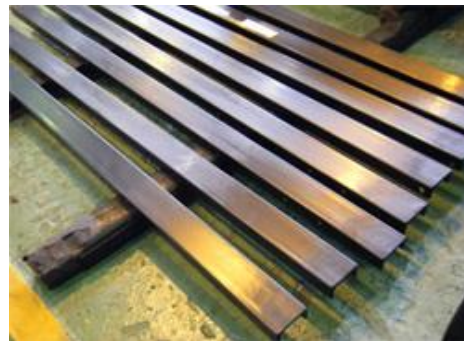
Strainer of piping for deep sea water



Polyethylene lined pipe with reducer



Ballast water piping



External & internal polyethylene lining