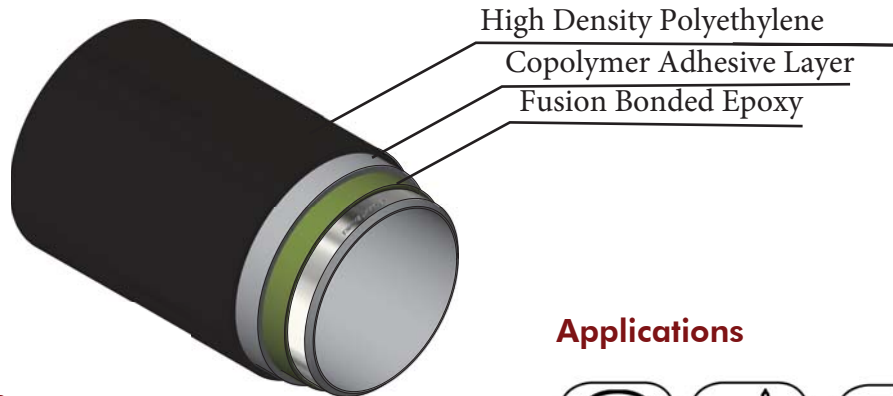


3LPE PIPE

High Density Three Layer Polyethylene Coating



Product Description

Three Layer Polyethylene is a multilayer anti-corrosion and erosion coating that is used for potable water, sewage and the Oil and Gas industries. The coating is composed of a first layer of Fusion Bonded Epoxy followed by a copolymer adhesive and a final layer of High performance Polyethylene that provides tough and perfect protection of the coated pipe.

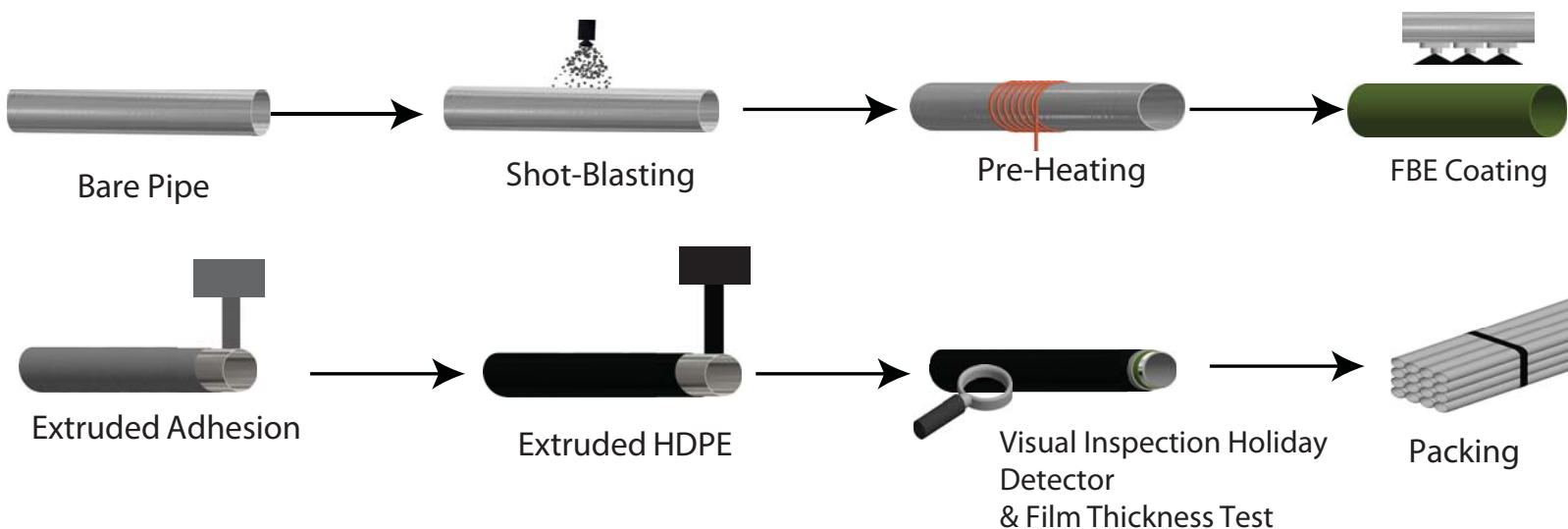
Applications



Related Standards and Specifications

- DIN 30670
 - ANSI/AWWA C213-07 For Steel Pipes
 - BS EN 14901 For Ductile Iron Pipes
 - NACE Standard RP0304
- Additional standards may also apply after contacting an Insupipe sales agent.

Process Flowchart of 3LPE Coating



Contact us

Al Mafrq Industrial City
 Muwaqqar Industrial City
 Tel:962 6 5353287 - Fax:962 6 5335395



www.gsest.com
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3LPE PIPE

High Density Three Layer Polyethylene Coating

Thickness			
	1st layer	2nd layer	3rd layer
Nominal Diameter	Coating Thickness		
DN < 100	The minimum dry thickness shall be between 20 and 60 microns	The minimum thickness shall be between 140 and 200 microns	2.5 mm
100 ≤ DN < 250			2.5 mm
250 ≤ DN < 500			3 mm
500 ≤ DN < 800			3.5 mm
800 ≤ DN			3.5 mm
*Please refer back to one of our sales agent to be consulted to ensure that the correct formulation will be provided.			
Chemical Resistance			
Chemicals			HDPE
Acids, Dilute or Weak			E
Acids, Strong or Concentrated			G
Alcohols, Aliphatic			E
Aldehydes			G
Bases/Alkali			E
Esters			G
Hydrocarbons, aliphatic			G
Hydrocarbons, aromatic			N
Hydrocarbons, halogenated			N
Ketones, aromatic			N
Oxidizing agents, strong			F
Continuity			
Free from holidays, the test voltage shall be 25 kV			
Resistance to cathodic disbondment			
maximum 10 mm at 23±2 °C			
Tests			
Test	Method of Test/ Standard		
Appearance and continuity	Visual		
Thickness testing	DIN 30670		
Holiday inspection	DIN 30670		
Impact resistance	DIN 30670		
Adhesion test	DIN 30670		
Indentation test	DIN 30670		
Thermal stability	DIN 30670		
Electric resistance	DIN 30670		
Elongation test	ISO 527		
Resistance to cathodic disbondment	ASTM G 8-90		
Buried/Unbaried Pipe			
can be used for the protection of buried or submerged pipes service at temperatures up to +50 °C			

*E: Excellent

**G: good

***F: Fair

****N: Not Recommended

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