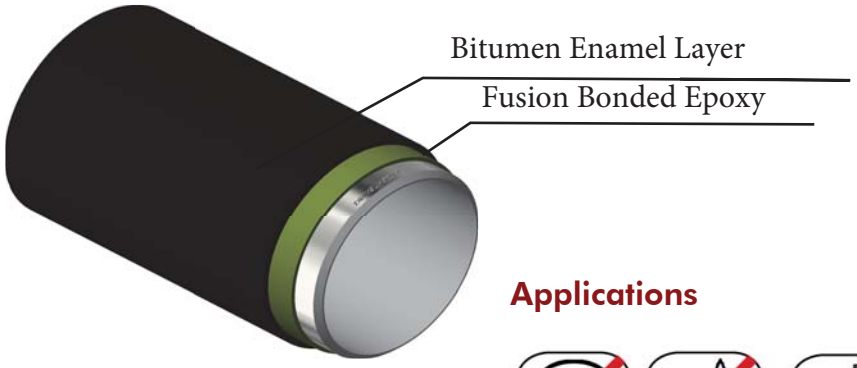
INSUPIPE

PRODUCT DATA SHEET

FBE-BIE PIPE

Fusion Bonded Epoxy Bitumen Enamel Coating for Ductile Iron Pipes



Product Description

Fusion Bonded Epoxy coating followed by Bitumen Layer is used for a variety of service applications such as the chemicals industires, potable water and sewage water.

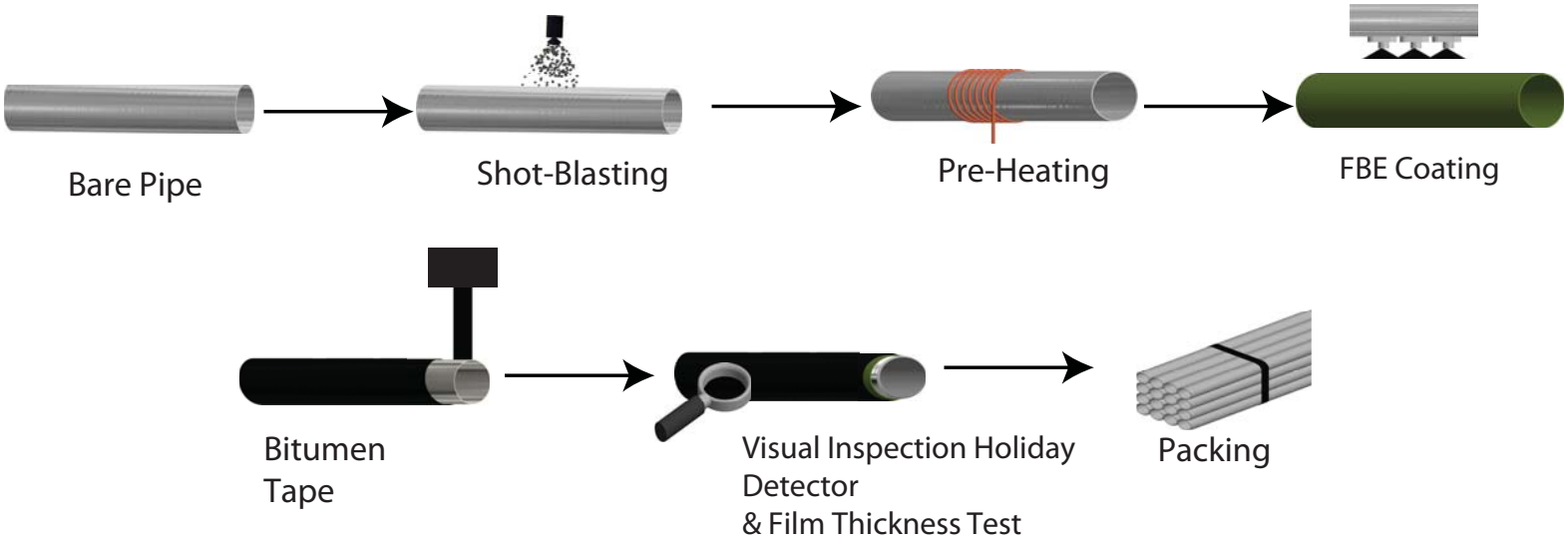
Applications

Related Standards and Specifications

- IS 10221:2008
- ISO 8179
- BS EN 545
- BS EN 14901

Additional standards may also apply after contacting an Insupipe sales agent.

process Flowchart of FBE-BI Coating



Contact us
Al Mafraq Industrial City
Muwaqqar Industrial City
Tel:962 6 5353287 - Fax:962 6 5335395

GLOBAL SMART

www.gsest.com
www.insupipe.com

FBE-BIE PIPE

INSUPIPE
PRODUCT DATA SHEET

Fusion Bonded Epoxy Bitumen Enamel Coating

Thickness		
Layers	FBE layer	Bitumen layer
Thickness	A minimum of 14 mils	A minimum of 0.76 mm
*Please refer back to one of our sales agent to be consulted to ensure that the correct formulation will be provided.		
Chemical Resistance		
Bitumen		
Alcohols		G
salt solutions		G
dilute acids and alkalis		G
solvents and some detergent solutions		N
thickness of coating based on Soil Resistivity		
Soil Resistivity (Ω-cm)	Corrosivity	Coating System
Below 1000	Extremly corrosive	3 Coats and 3 wraps (7.0 mm, Min)
Fnm 1000 - 5000	Corrosive	2 Coats and 2 wraps (4.0 mm, Min)
Above 5000	Non-corrosive	1 Coats and 1 wraps (3.0 mm, Min)
Continuity		
The applied voltage of the holiday dedector shall have a spark discharge at least twice the thickness of the coating		
Tests		
Test		Standard
Thickness testing		IS 10221:2008
Holiday inspection		IS 10221:2008
Cathodic disbondment test		IS 10221:2008
Buried/Unbaried Pipe		
Buried water pipelines		
Maximum operating temperature		
Up to 90°C		
Cathodic Protection		
For soil resistivity above 5000 Ω-cm, cathodic protection may be used		

Contact us
Al Mafraq Industrial City
Muwaqqar Industrial City
Tel:962 6 5353287 - Fax:962 6 5335395

GLOBAL SMART

www.gsest.com
www.insupipe.com