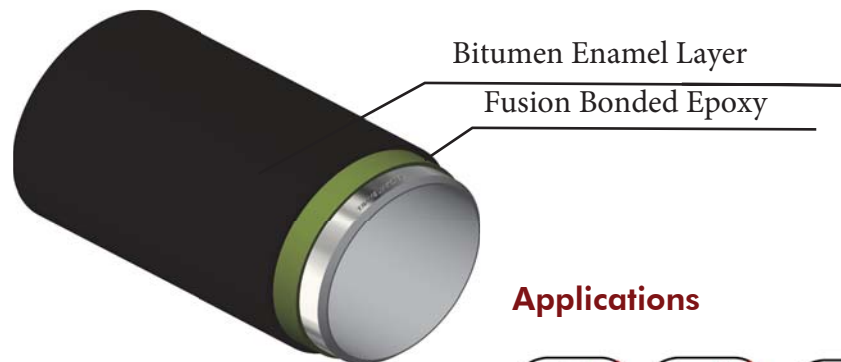


FBE-BIE PIPE

Fusion Bonded Epoxy Bitumen Enamel Coating for Steel Pipes



Product Description

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

Applications

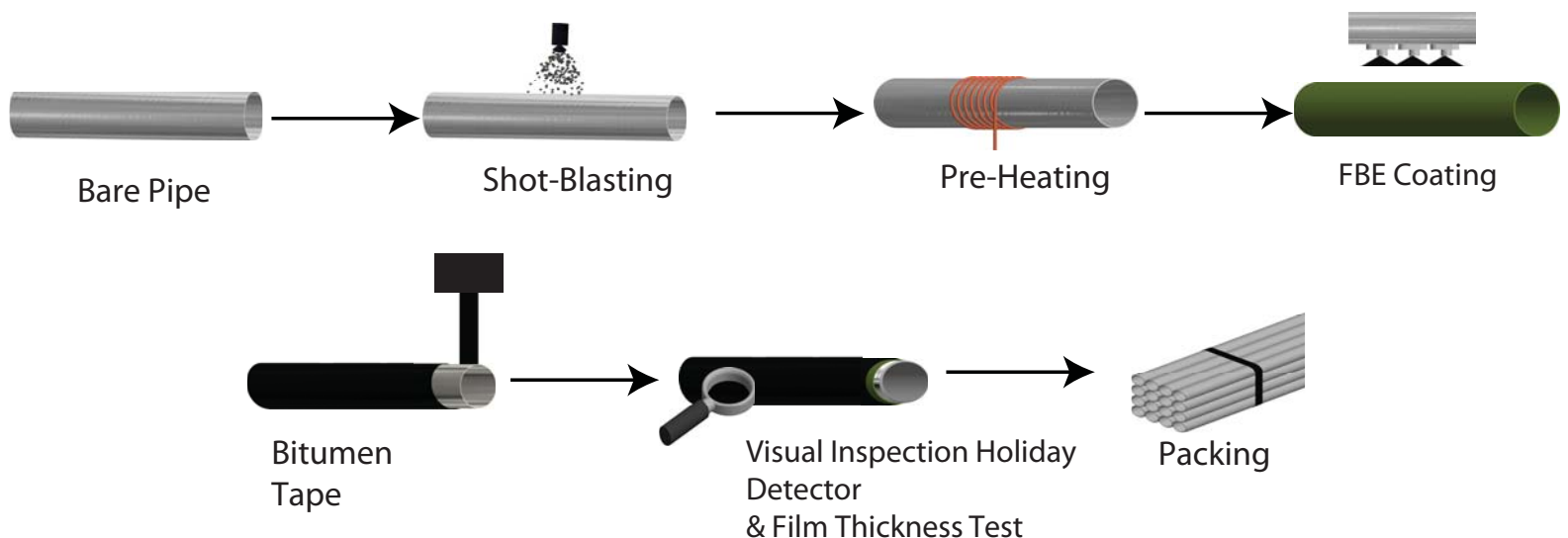


Related Standards and Specifications

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



www.gsest.com
www.insupipe.com

FBE-BIE PIPE

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	Extremely 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		

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