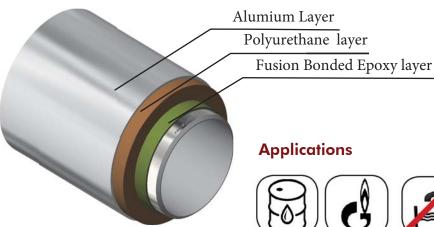
PRODUCT DATA SHEET

FBE-PU-AL PIPE

Fusion Bonded Epoxy Polyurethane Aluminum Coating for steel pipe



Product Description

The polyurethane in the fusion bonded epoxy followed by polyurethane and a layer of Aluminum provides an alternative for preventing hydrate formation in gas pipelines and providing freeze Protection.











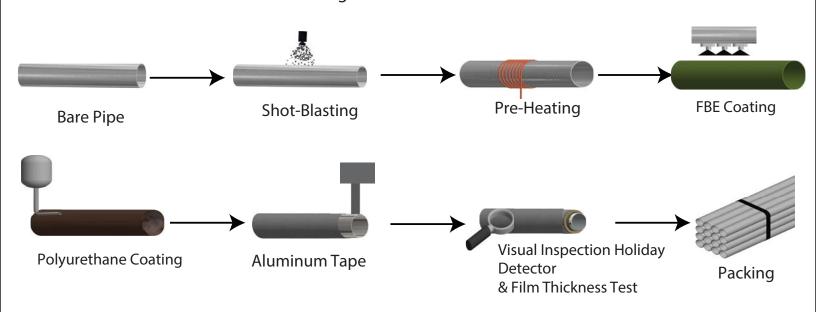


Related Standards and Specifications

- EN 253
- ASME B31.1
- DIN 30670
- ASTM D3350

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

Process Flowchart of FBE-PU-AL Coating





FBE-PU-AL PIPE

INSUPIPE					
PRODUCT DATA SHEET					

Thickness					
Layers	1st layer	2nd layer (Polyurethane) 3rd layer			
Layers	130 10 / 01	2110 10 (1	Insulation	(Aluminum diffusion	
Thickness	FBE	Pipe Size (in)	Thickness (in)	barrier)	
	A minimum of 8- 12 mil	1 - 8 10 - 12	1 1.5	Aluminum Sheet	
		14 - 36	2		
*Please refer back to one of our sales agent to be consulted to ensure that the correct formulation will be provided.					
Chemical Resistance					
Chemicals				Aluminum	
	Form	ic acid		F	
Ammonia				G	
Benzene, Butane				G	
Calcium chloride				G	
				G	
Acetic acid					
Formaldehyde				G	
Potassium chloride				F	
Potassium hydroxide				N	
Sodium chloride				F	
Sodium hydroxide				G	
Petroleum				G	
Methylene chloride				G	
Sulphuric acid				F	
Water vapour				G	
Lactic acid				G	
Sodium carbonate				F	
Continuity					
holiday tested at 1,000 volts to ensure a void free coating					
Tests					
Tests				Standards	
Coating Thickness				DIN 30670	
Holiday Test				ASTM D3350	
K-factor				ASTM C-518	
Compressive Strength				ASTM D-1621	
Maximum operating temperature					
-320ºF to 250ºF					
K-factor					
@ 73°F, 16 BTU-In					
Buried/ Unburied					
Both ground and aboveground installations					
Thermal Conductivity of Polyurethane Tensile Strength of Polyurethane					
\leq 0.18 Btu-in/hr-ft ² -°F \geq 3,200 psi					
Hardness of	Hardness of Polyurethane thermal efficiency of the Aluminum Barrier				
> 6	> 60 Shore D				

*E: Excellent

**G: good

***F: Fair

****N: Not Recommended

