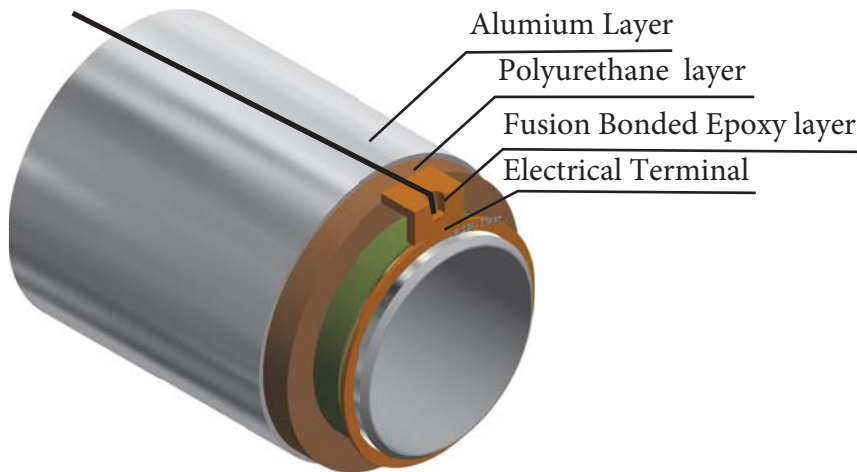


FBE-PU-AL With Heat Tracing Impedance



PRODUCT DATA SHEET

Fusion Bonded Epoxy Polyurethane Aluminum Coating With Heat Tracing



Applications



Product Description

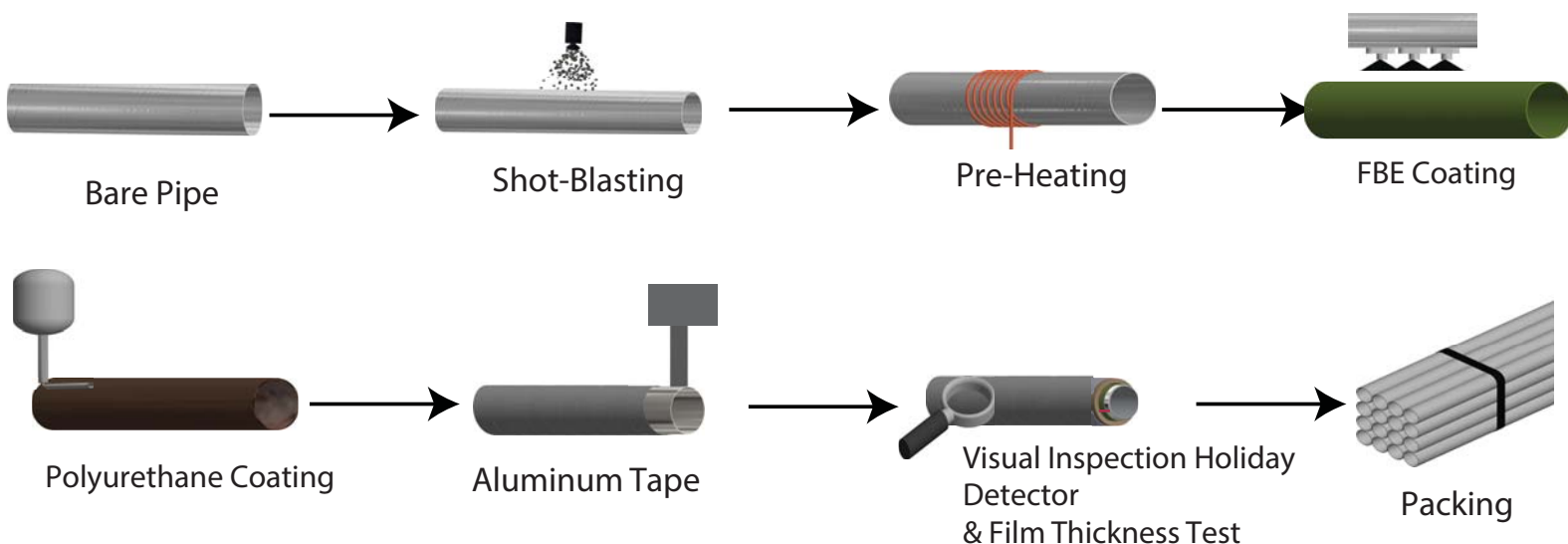
The fusion bonded epoxy followed by polyurethane and a layer of Aluminum provides an alternative for preventing hydrate formation in gas pipelines and providing freeze Protection by making a magnetic flux produced by the Electrical Terminal that produces heat as the result of eddy currents and hysteresis.

Related Standards and Specifications

- EN 253
- ASTM C591
- ANSI/IEEE 844
- ANSI/IEEE 515

Additional standards may also apply after contacting an Insupipe sales agent

Process Flowchart of FBE-PU-AL With Heat Tracing Coating



Contact us

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



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FBE-PU-AL With Heat Tracing Impedance

Thickness					
Layers	1st layer	2nd layer (Polyurethane)		3rd layer	Heat Tracer
Thickness	FBE	Pipe Size (in)	Insulation Thickness (in)	Aluminum diffusion barrier	Copper
	A minimum of 8- 12 mil	1 - 8	1	Aluminum Sheet	18 mm
		10 - 12	1.5		
		14 - 36	2		
*Please refer back to one of our sales agent to be consulted to ensure that the correct formulation will be provided.					
The Effective Temperature Range					
+40°F to +1500°F					
Heat Tracing Method					
Electric Heat Tape Controlled by a closed loop temperature control system with thermo-couples. Impedance and Skin Effect Heat Tracing methods are also available.					
Tests					
Tests			Standards		
Coating Thickness			DIN 30670		
Holiday Test			ASTM D3350		
Heat Tracing			ANSI/IEEE 515		
Heat Tracing System					
Self Regulating Heating cable that can pass a 1.6kV dielectric Test					
Heat Tracing Electrical integrity					
A Minimum of 500 Vdc megger					
Metallic covering conductivity of the Heating cable					
Tinned copper braid with a resistance less than 8 mΩ/ft					

*For additional information Please see our FBE-PU-AL Coating Data Sheet or contact our sales agent.

** Heat tracers can be supplied as optional extras for all of our insulated pipe systems.

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