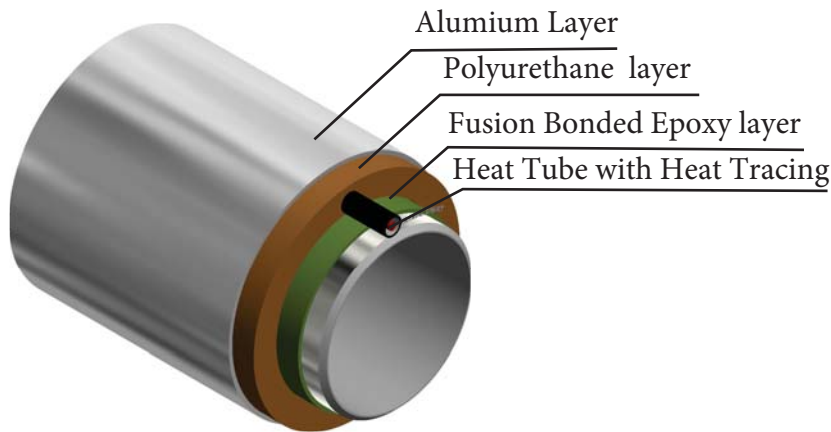


FBE-PU-AL With Heat Tracing Pipe- Skin Effect

Fusion Bonded Epoxy Polyurethane Aluminum Coating With Heat Tracing



Applications



Product Description

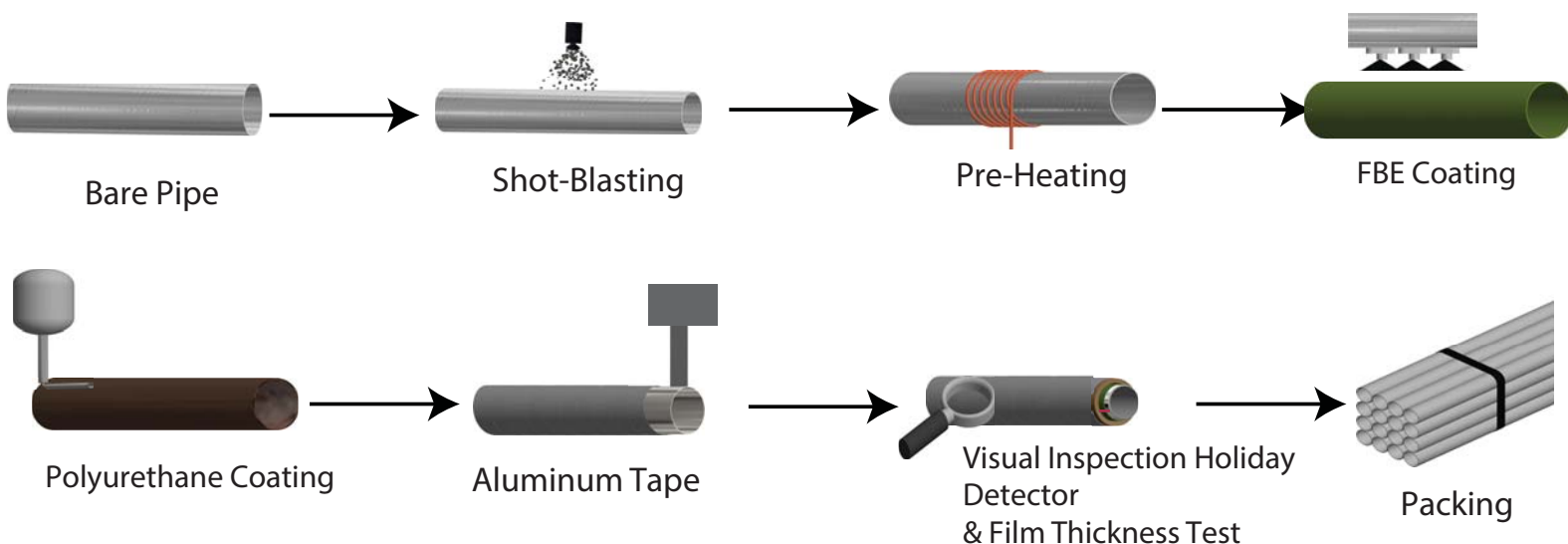
The fusion bonded epoxy followed by polyurethane and a layer of Aluminum provides an alternative for preventing hydrate formation in pipelines and providing freeze Protection in addition to a Heat Tube in contact with a heat tape to the service pipe to ensure uniform heating.

Related Standards and Specifications

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

Additional standards may also apply after contacting a 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 Pipe- Skin Effect



PRODUCT DATA SHEET

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.					
Heating Cable T-rating and Maximum Temperature					
T-Racing and Temperature Range				Heating Cable	
T4 (185°F (85°C))				3 W/ft	
T6 (185°F (85°C))				5 W/ft	
T5 (212°F (100°C))				8 W/ft	
T4A (248°F (120°C))				10 W/ft	
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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