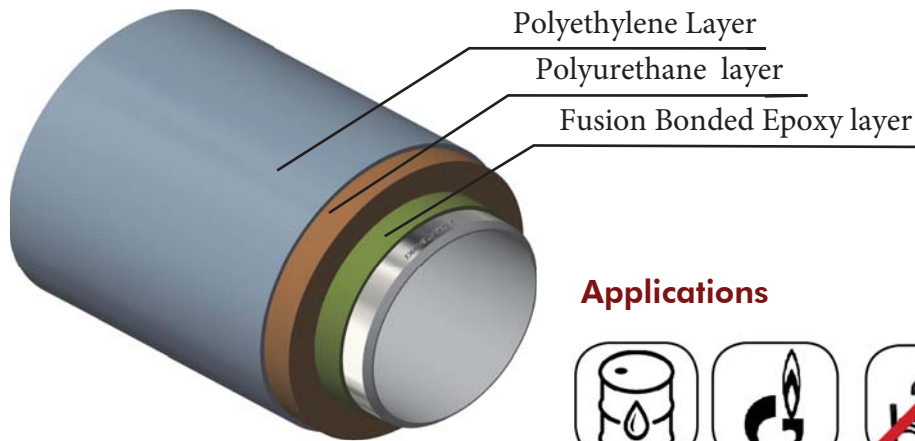


FBE-PU-PE PIPE

Fusion Bonded Epoxy Polyurethane Polyethylene Coating for steel pipes



Product Description

This Thermal Insulation Offered by Insupipe is a fusion Bonded Epoxy based followed by Polyurethane and polyethylene is designed for great insulation protection.

Applications

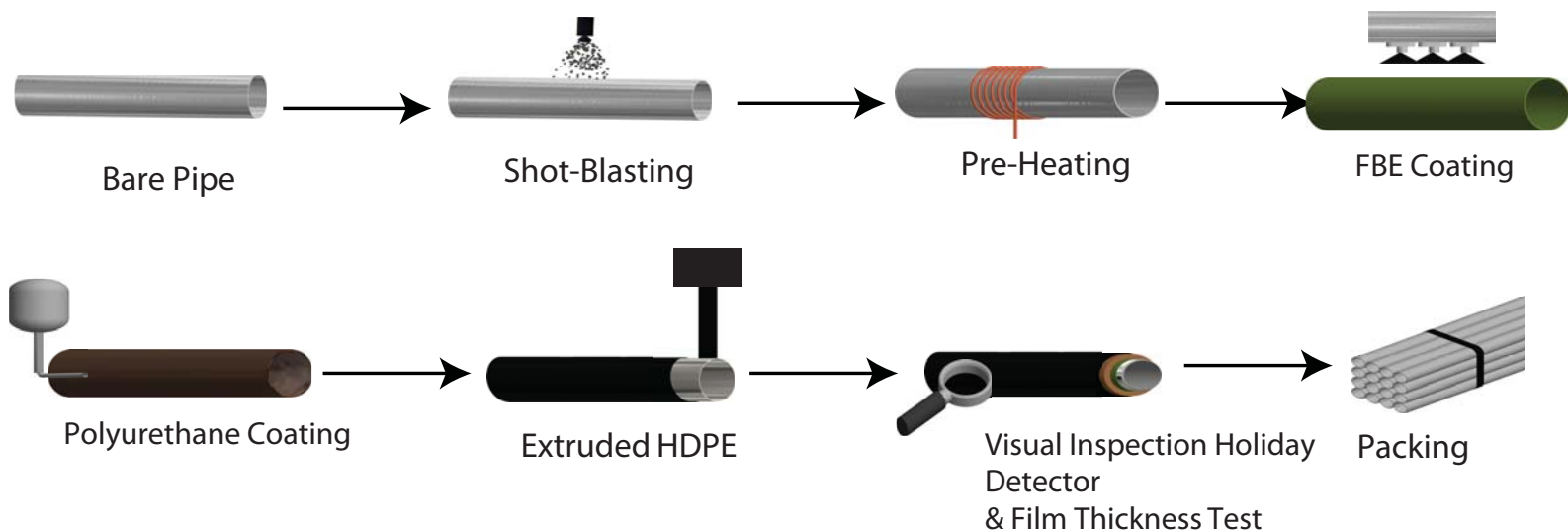


Related Standards and Specifications

- ASTM C591
- ASTM D3350
- ASTM C1029
- DIN 30670

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

Process Flowchart of FBE-PU-PE Coating



Contact us

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



www.gsest.com
www.insupipe.com

FBE-PU-PE PIPE

| Thickness | | | | | |
|---|-----------------------|--------------------------|---------------------------|------------------|-----------------------|
| Layers | 1st layer | 2nd layer (Polyurethane) | | 3rd layer (HDPE) | |
| Thickness | FBE | Pipe Size (in) | Insulation Thickness (in) | Jacket OD (in) | Jacket Thickness (in) |
| | A minimum of 8-12 mil | 1 - 8 | 1 | OD < 12 | 0.1 |
| | | 10 - 12 | 1.5 | 12 < OD < 24 | 0.125 |
| | | 14 - 36 | 2 | OD > 24 | 0.15 |
| *Please refer back to one of our sales agent to be consulted to ensure that the correct formulation will be provided. | | | | | |
| Chemical Resistance | | | | | |
| Chemicals | | | | | HDPE |
| Acids, Dilute or Weak | | | | | E |
| Acids, Strong or Concentrated | | | | | G |
| Alcohols, Aliphatic | | | | | E |
| Aldehydes | | | | | G |
| Bases/Alkali | | | | | E |
| Esters | | | | | G |
| Hydrocarbons, aliphatic | | | | | G |
| Hydrocarbons, aromatic | | | | | N |
| Hydrocarbons, halogenated | | | | | N |
| Ketones, aromatic | | | | | N |
| Oxidizing agents, strong | | | | | 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 | | | | | |
| -320°F to 250°F | | | | | |
| Compressive Strength of polyurethane | | | | | |
| 30 psi | | | | | |
| K-factor | | | | | |
| @ 73°F, 16 BTU-In | | | | | |
| Buried/ Unburied | | | | | |
| Both ground and aboveground installations | | | | | |

*E: Excellent
 **G: good
 ***F: Fair
 ****N: Not Recommended

Contact us

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



www.gsest.com
www.insupipe.com