2LPP COATING PIPE

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The 2LPP Coating System is a multilayer powder coating made of two functional components that work together to create a finished product. High-performance fusion-bonded epoxy (FBE) is applied first, followed by a layer of polypropylene, which results in the strongest and most lasting anti-corrosion coating solution now available.

●Production Standards of 2LPP Coating Pipe

Nominal Diameter	J/mm
Less than or equal to DN65	0.7
DN80 – 150	0.85
Greater than or equal to DN200	1

•Minimum Thickness of 2LPP Coating Pipe

Nominal Diameter	Minimum Coating Thickness (mm)
Less than or equal to 100	1.8
125-250	2
300-500	2.2
600 or more	2.5

•The Service Life of 2LPP Coating Pipe

Operating Temperature(℃)	Expected Minimum Service Life (Year)
23	50
60	50
80	30
90	16
100	8
If the coatings are used at alternating temperatures, their expected service life should be inferred from the values made above.	

•The Advanage of 2LPP Coating Mastic Adhesives

- High Temperature Corrosion Protection of 2LPP Coated Pipe

2LPP coating provides excellent long-term corrosion protection for field joints in subsea settings and may be utilized in tough conditions with operating temperatures up to 10°C

(230°F) and with no depth restrictions in subsea environments

In addition, the better adhesion capabilities of the FBE result in good resistance to cathodic disbandment, which helps to lower overall costs for the pipeline's cathodic protection system.

- Excellent Mechanical Protection of 2LPP Coated Pipe

A wide range of unique 2LPP coating solutions has been developed to give the greatest level of mechanical protection currently available in the market.

In addition, the polypropylene outer layer provides protection against shear pressures and impacts throughout shipment, installation, and the duration of the subsea production structures' operational lifecycle.

- Wide Application Range of 2LPP Coated Pipe

Customized 2LPP coating systems for protecting short straight lengths of pipe and field joints are also available.

These coating systems can be applied to fabricate custom parts for subsea production systems, such as bends, spools, jumpers, Pipeline End Terminations, Pipeline End Manifolds, and other similar components.