2LPE COATING PIPE

●The Component Of 2LPE Coating Pipe

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●The Advanage of 2LPE Coating Mastic Adhesives

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Two-layer extruded polyethylene coated (2LPE) pipe refers to pipelines with two-layer anti-corrosion protection. Mastic-based adhesives and polyethylene copolymers are used to create the two-layer structure. This provides superior corrosion resistance, particularly at extreme temperatures.

Mastic-based bonding agents are very affordable and exhibit exceptional resistance to cathodic disbandment (CD). Additionally, they have a low peel and shear strength, limiting their use to low temperature applications. On the other hand, two-layer extruded polyethylene coatings coupled with copolymers provide superior shear resistance and adhesion but generally exhibit low CD resistance.

●Production Standards of 2LPE Coating Pipe

No.	Item		Performance Indicators
1	Tensile Strengh	Axial Direction, Mpa	≥20
		Circumferential Direction, Mpa	≥20
		Deviation, %	≤15
2	Elongation after Fracture, %		≥600

3	Indentation Hardness (mm)	23℃	≤0.2
		50℃ or 70℃	≤0.3
4	Endurably Environmental Stress Cracking (F50),h		≥1000

●The Advanage of 2LPE Coating Mastic Adhesives

Two-layer coating systems are frequently comprised of two distinct adhesives. The adhesives' qualities will define which kind is most suited to the demands of specific sectors. Each substance offers a unique set of benefits.

Mastic adhesives have the following advantages:

- Low manufacturing costs
- Amorphous and sensitive to pressure
- Temperature application and surface preparation are forgiving
- CD resistance that is acceptable
- Excellent repellent to water
- Simple application