

3LPE

3-Layer Polyethylene Coating

3-Layer Polyethylene (3LPE) is a multi-layer coating composed of three functional components: A high performance fusion Bonded Epoxy (FBE) primer, followed by a copolymer adhesive and an outer layer of polyethylene to provide tough, durable protection. 3LPE systems provide excellent pipeline protection for small and large diameter pipelines operating at up to moderate to moderately high temperatures.





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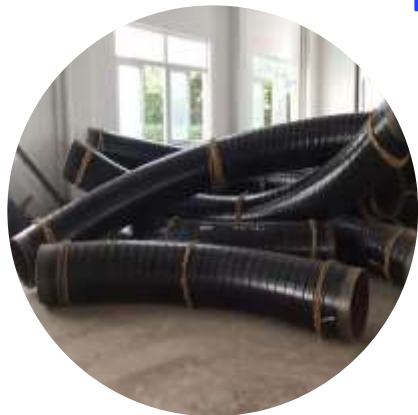
Global Availability



WHAT IS 3 LPE COATING?

3 LPE coating refers to the multi-layer coating, it has a total of 3 layers. A high-performance Fusion Bonded Epoxy (FBE) primer, followed by a copolymer adhesive and an outer polyethylene layer that provides tough, durable protection. At moderate temperatures, the 3 LPE coating can provide protection for both small and large diameter pipelines.



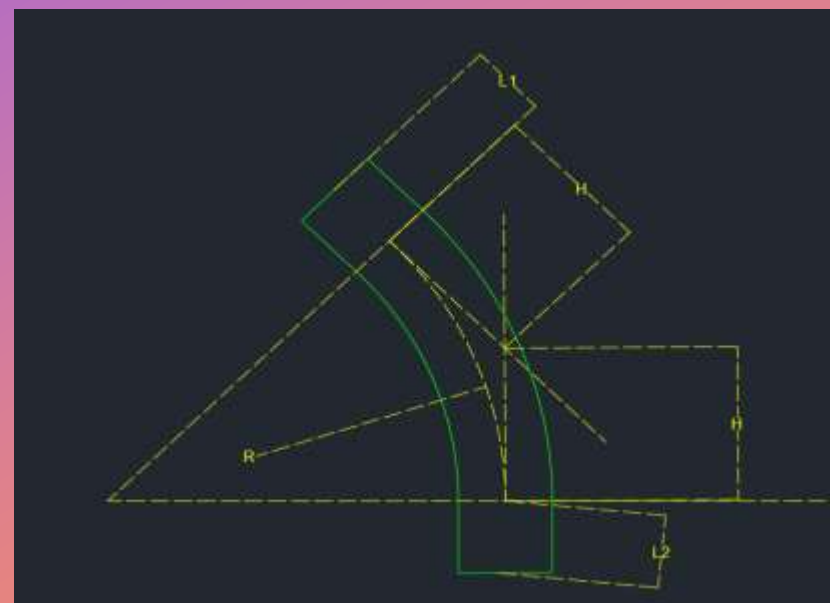
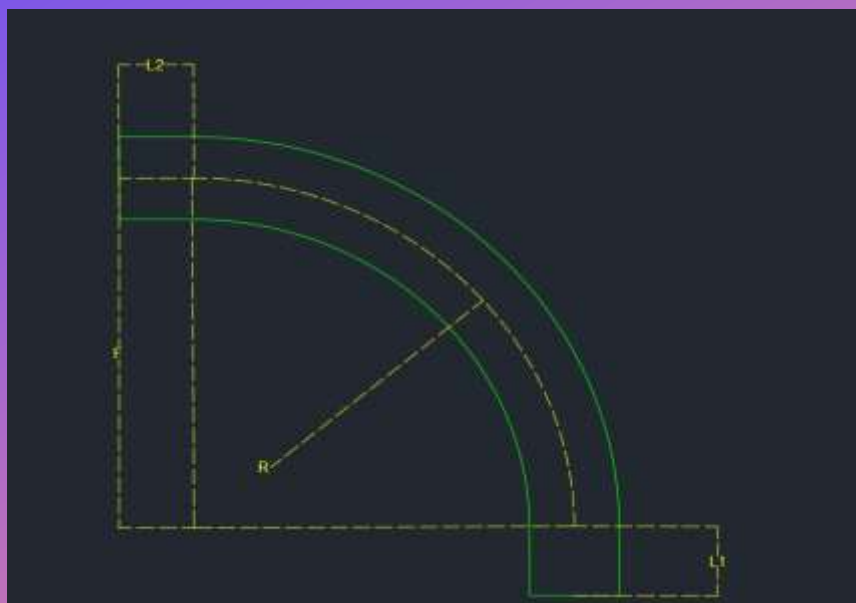


NO.	DESCRIPTION	O.D. MM	W.T. MM	R	F	H	L1\L2	QTY (PCS)
1	2" – 90 degree coated bend, Sch 80, CS, 5D	60	5.54	254	254		50	40
2	2" – 45 degree coated bend, Sch 80, CS, 5D	60	5.54	254		105	50	40
3	3" – 90 degree coated bend, Sch 80, CS, 5D	89	7.62	381	381		80	20
4	3" – 90 degree bare bend, Sch XXS, CS, 5D	89	15.24	381	381		80	40
5	3" – 45 degree coated bend, Sch 80, CS, 5D	89	7.62	381		158	80	20
6	3" – 90 degree bare bend, Sch xxs, CS, 5D	89	15.24	381	381		80	40
7	4" – 90 degree coated bend, Sch 40, CS, 5D	114	6.02	508	508		100	40
8	4" – 45 degree coated bend, Sch 40, CS, 5D	114	6.02	508		210.5	100	20
9	4" – 90 degree bare bend, Sch XXS, CS, 5D	114	17.12	508	508		100	40
10	4" – 90 degree coated bend, Sch 80, CS, 5D	114	8.56	508	508		100	50
11	6" – 90 degree coated bend, Sch 160, CS, 5D	168	18.26	762	762		100	50
12	6" – 45 degree coated bend, Sch 160, CS, 5D	168	18.26	762		316	150	50
13	6" – 90 degree bare bend, Sch XXS, CS, 5D	168	21.95	762	762		150	50
14	6" – 45 degree bare bend, Sch XXS, CS, 5D	168	21.95	762		316	150	50
Total:								550



DRAWING

We can draw production - guiding drawings according to the requirements of customers.



Long-Term Corrosion Protection



The FBE component provides excellent adhesion to steel, offering superior long-term corrosion resistance and protection for pipelines operating at moderate temperatures.

If required, Low Application Temperature (LAT) FBE can be selected as the primer to ensure low preheating conditions and long-term integrity of high-strength steels (X80 or higher).

Additionally, 3LPE systems offer excellent resistance to cathodic disbondment, reducing lifecycle costs of cathodic protection.

ENGINEERED SOLUTIONS

Advanced manufacturing techniques allow for a customized 3LPE system tailored to your specific project.

Very Good Mechanical Protection

The tough outer PE layer protects pipelines during transportation and installation, thereby reducing costly repairs, while also providing added in-ground protection against shear forces, chemicals, and abrasive soil conditions.

By increasing the thickness of the outer PE layer, the 3LPE system can provide a high level of mechanical protection across a variety of challenging environments without the need for costly backfill.





SUNNY STEEL



Mr. SumXu

+8621 3378 0199

sales@sunnysteel.com

www.sunnysteel.com