

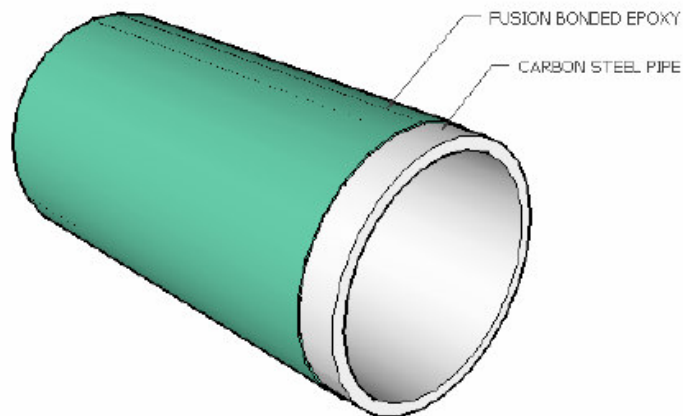


SCAN INDIA



ISO 9001:2008 CERTIFIED ORGANIZATION

Fusion Bonded Epoxy Coating



PRODUCT DESCRIPTION:

Scan India manufactures fusion bonded epoxy coating on steel pipes in diameter ranges from 25 mm to 2000 mm. This coating provides excellent corrosion resistance, chemical resistance and resistance to cathodic disbondment.

Fusion-bonded epoxy (FBE) coatings are thermoplastic hardening layers of epoxy resin applied to steel pipes using an electrostatic process, which protects them against corrosion. FBE coatings are well known for their anti-corrosion properties over a wide temperature range. The fusion bonded epoxy has a very good bonding with the blasted steel surface.

STANDARDS AND SPECIFICATIONS:

Fusion bonded epoxy coated pipes are manufactured according to the following standards:

- CSA Z245.20
- AWWA C 213
- IS 3589

FEATURES OF FBE COATED PIPES:

Corrosion Resistance :

- FBE Coating prevents steel pipe from corrosion.
- Excellent chemical resistance properties and resistance to cathodic disbondment.

High Bond Strength :

- The FBE coating is bonded firmly to the mild steel pipe surface and the mean adhesion strength is 125 kg/cm² (ASTM D 4541).

Long Working Life :

- Pipe has constant performance characteristics through out the life span. Service life of more than 75 years.

Customized Solutions :

- FBE coating can be applied from diameters 25 mm to 2000 mm with lengths of up to 12m.

Environment Friendly :

- FBE coating are applied in powder form. There is no need for resin hardener.

APPLICATIONS:

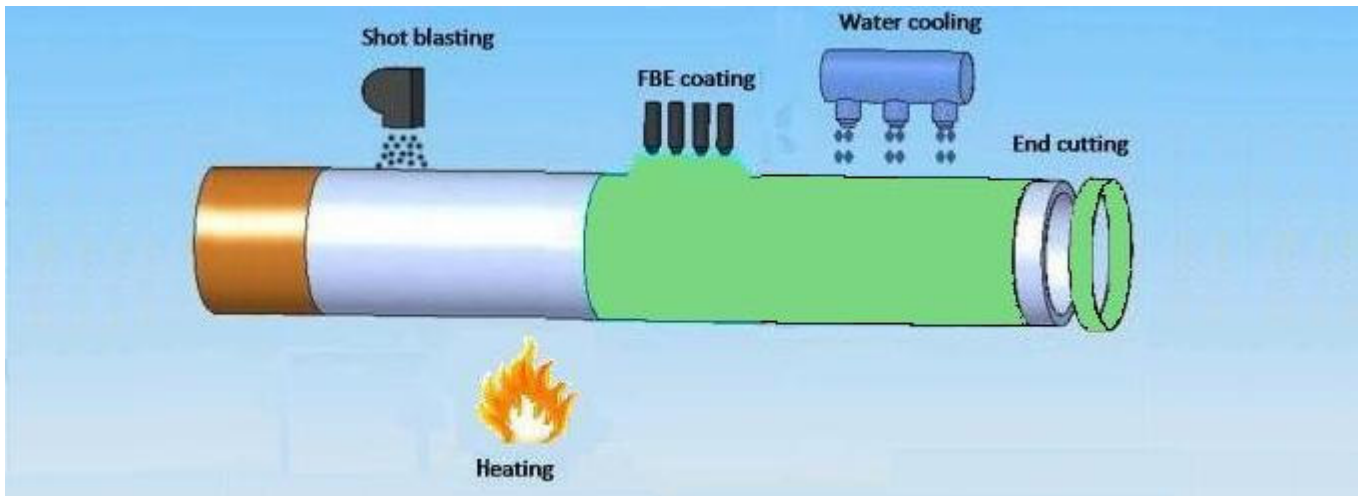
FBE coating is an industry standard in corrosion protective coatings. It is environmentally-safe thermosetting polymer coating which is used as corrosion protection for pipe valves and fittings. Typical coating application temperatures are usually in the range of 180° C to 250° C (360° F to 480° F). When the FBE is applied to the pre-heated pipe with the help of electrostatic spraying machine, the FBE film wets and flows onto the steel surface and soon becomes a solid coating by chemical cross-linking.

FBE coated steel pipes are used in the following applications where the pipes are either buried or submerged:

- Drinking water pipelines.
- Oil and gas pipelines
- In plant process water applications



MANUFACTURING PROCEDURE:



ABOUT SCAN INDIA:

Scan India is a pioneer in corrosion protective coatings on carbon steel pipes. In 2006, Scan India started production of “SMOOTHFLOW[®]” pipes. These are carbon steel pipes coated externally and internally with 3 layer polyethylene (3LPE) coating intended for buried or submerged application. Scan India is the first and till date only company to adapt 3 layer polyethylene coating technology for internal pipe coating. Scan India produces various other types of anti corrosion coatings and flow assurance coatings like FBE, Dual layer FBE, Internal FBE and internal 3LPE. Scan India is an ISO 9001:2008 certified organization.

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MANUFACTURING CAPABILITIES:

- Diameter range 25 mm to 2000 mm
- Pipe length 6 m to 12 m
- Operating temperature range -40° C to 80° C
- Coating thickness Maximum up to 750 microns

Works:

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