

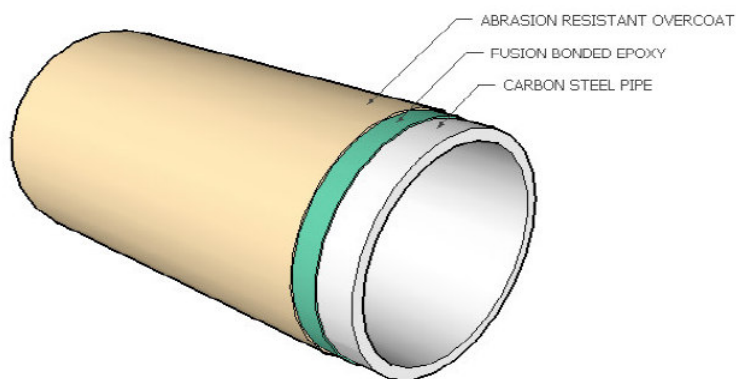


SCAN INDIA



ISO 9001:2008 CERTIFIED ORGANIZATION

Dual Layer FBE Coating (Abrasion Resistant Overcoat)



PRODUCT DESCRIPTION:

Scan India manufactures dual layer fusion bonded epoxy coating on steel pipes for above ground applications in diameter range from 25 mm to 2000 mm. This coating provides excellent corrosion resistance, resistance to cathodic disbondment and resistance to UV degradation.

Dual Layer fusion bonded epoxy coatings are thermoplastic hardening layers of epoxy resin applied to steel pipes using an electrostatic process, which protects them against corrosion.

The two coating layers in dual layer fbe coated pipe are as follows:

Layer 1: This is the corrosion protective layer. This layer is of fusion bonded epoxy which offers very good corrosion protection. The fusion bonded epoxy has a very good bonding with the blasted steel surface.

Layer 2: This layer is a coat of fusion bonded polyester. This layer absorbs the UV radiation that causes degradation and erosion of the FBE coating.

STANDARDS AND SPECIFICATIONS:

Dual Layer fusion bonded epoxy coated pipes are manufactured according the following standards:

- CSA Z245.20
- IS 3589

FEATURES OF DUAL LAYER ARO COATED PIPES:

Long term corrosion & weathering protection:

- Base coat of fusion bonded epoxy has excellent adhesion to steel & provides long term corrosion protection to steel pipelines operating over a wide range of temperatures.
- Provides excellent resistance to cathodic disbondment.
- Top coat of tough abrasion resistant FBE provides protection from abrasion and physical damage to the base coat due to handling, transportation and installation.
- Coating has been designed for good chemical resistance under various installation conditions.

High Bond Strength :

- The 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 throughout the life span. Service life of more than 75 years.

Customized Solutions :

- Dual Layer ARO coating can be applied from diameters 25 mm to 2000 mm with lengths of up to 12m.
- Bends (Elbows), Tees, reducers, couplers can be coated with same coating.

High Impact Resistance & Flexibility:

- Dual layer ARO coating has good impact resistance to protect against damages during handling in transportation or use.
- Toughness of the ARO coating ensures the coating withstands the vibrations from overhead traffic

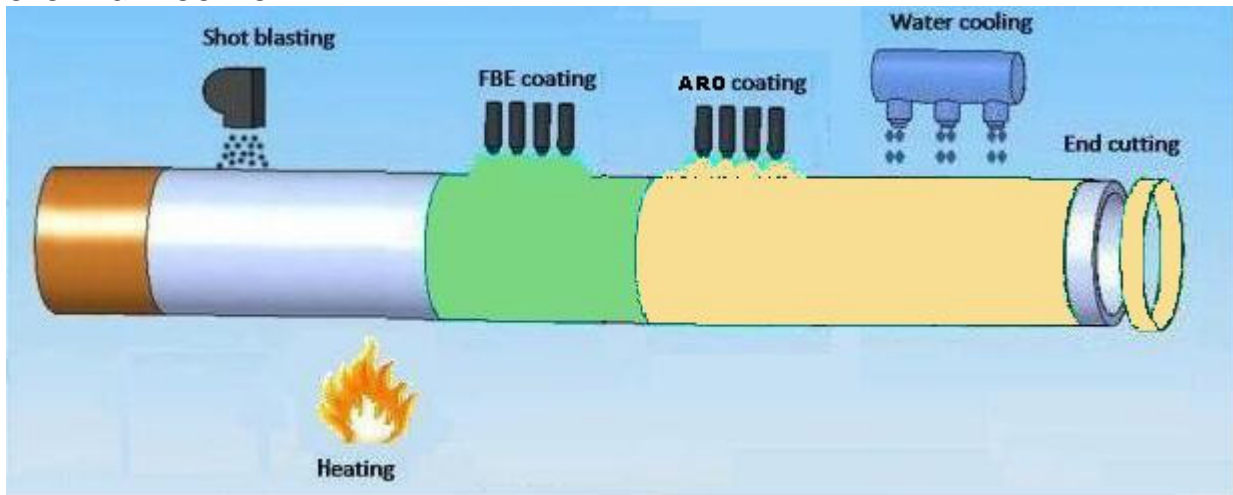
APPLICATIONS:

Dual layer ARO 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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