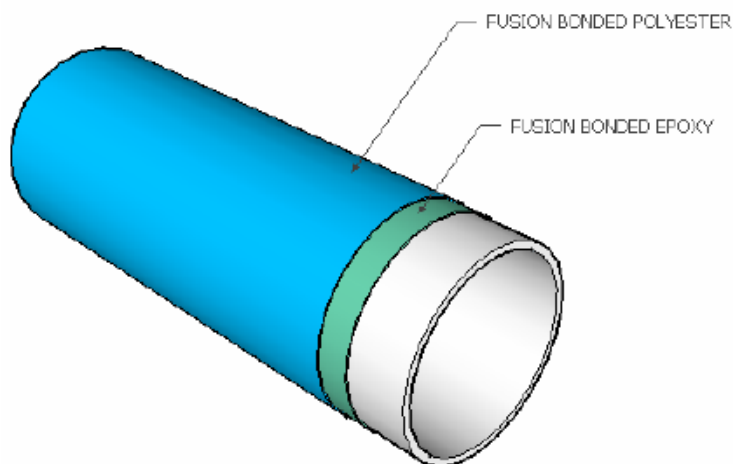




# SCAN INDIA



## Dual Layer FBE Coating (UV 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 FBE 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 Fusion bonded polyester provides U V protection & protection from harsh weather conditions for the designed lifespan.
- Coating has been designed for good chemical resistance under various installation conditions.
- Ability to be stored & used in all climatic conditions.
- Resistance to UV radiation & rain.

#### High Bond Strength :

- The FBE coating is bonded firmly to the mild steel pipe surface and the mean adhesion strength is 125 kg/cm<sup>2</sup> (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 :

- Dual Layer FBE 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.
- Available in blue, red and yellow colors.

### APPLICATIONS:

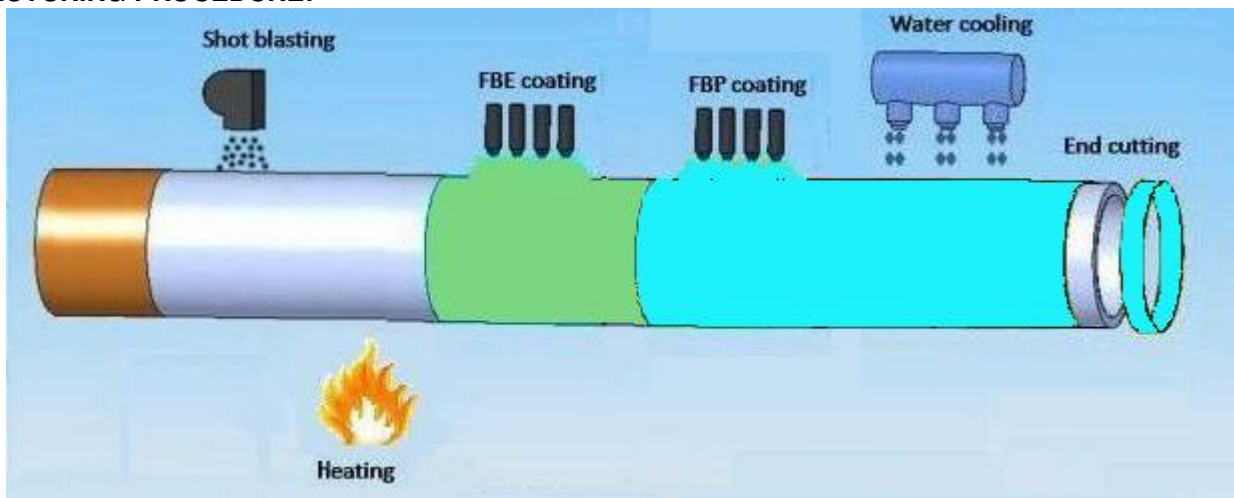
Dual layer coated steel pipes are used in the following applications where the pipes are installed above ground:

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

Dual layer coatings are also used on pipelines which are to be kept exposed to sunlight for an extended period of time.



**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.

**CONTACT US:**

Head Office:

116, Guru Gobind Singh Industrial Estate  
 Off. Western Express Highway,  
 Goregoan (E), Mumbai – 400 063.  
 Maharashtra, India.  
 Tel : (091) 022 – 2685 4945 ; 4348  
 Fax : (091) 022 – 2685 5180  
 E-mail : [enquiry@scanpipes.com](mailto:enquiry@scanpipes.com)  
 Website : [www.scanpipes.com](http://www.scanpipes.com)

**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:

1,2,3 & 4, Swami Industrial Centre  
 Gawraipada, Vasai (E) – 401 208.  
 Maharashtra, India.  
 Tel : (091) 0250 – 6511131  
 E-mail : [factory@scanpipes.com](mailto:factory@scanpipes.com)  
 Website : [www.scanpipes.com](http://www.scanpipes.com)