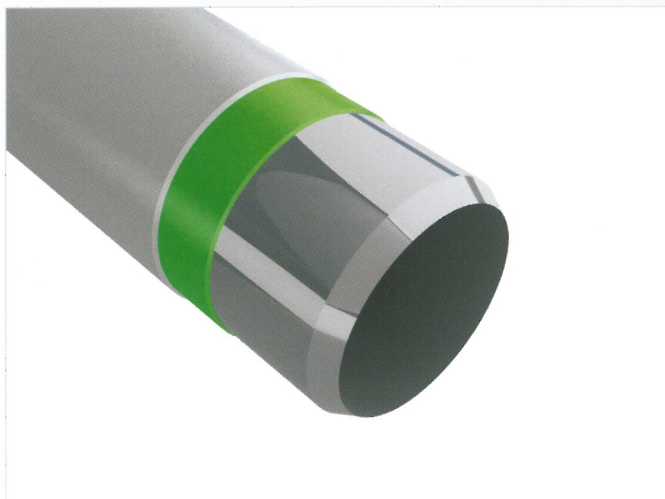


DUAL FBE

Dual Layer Abrasion Resistant Fusion Bonded Epoxy Powder Coating



WISTCO

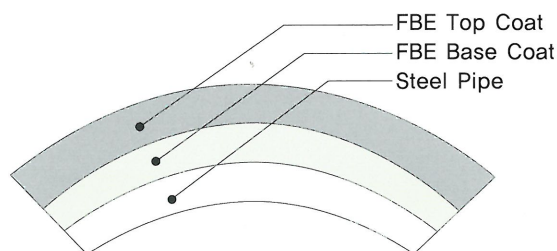
Produces a variety of coated steel pipes in accordance with CAN, AS, AWWA and other international standards. The value of the coating system is the long-term low maintenance cost associated with superior corrosion protection.

WISTCO's Dual FBE Coating Plant is a production line designed to manufacture anticorrosive coating to the steel pipes which are used for transporting oil, gas, water and etc

The external pipe surface to be coated shall be blast cleaned in accordance with grade Sa 2-1/2. The cleaned pipe shall be inspected and preheated for the application of Dual FBE coating. FBE powder shall be sprayed using an electrostatic spray system.

Dual FBE Coating system is a hard, mechanically strong top coating for all FBE pipeline corrosion protection coatings. Dual FBE also enhances the performance of the first layer of corrosion coating.

» ORGANIZATION OF COATING



» APPLICATIONS

- Corrosion resistant underground pipelines for the transport of Gas, Oil, Water, etc.
- Corrosion-resistant shore and onshore pipelines the construction basic
- Pipeline directional drilling applications, bores, river crossing and installation in rough terrain.



» FEATURES

Our Dual FBE coating Pipe offers the following excellent features.

- Excellent resistance to Cathodic disbondment and excellent waterproof
- Excellent impact resistance, bendability and adhesion
- Wide range of service temperatures (-40°C ~ 100°C)
- Excellent resistance to gouge, impact, abrasion and penetration.

» AVAILABLE SIZES

- Outside Diameter : 3" ~ 66"
- Pipe Length : 6M~18M

» THICKNESS OF COATING

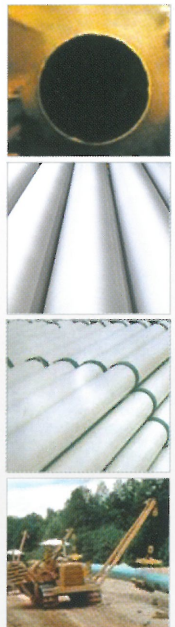
- Normally 600μm (base coat : 250μm , top coat : 350μm)

DUAL FBE

Dual Layer Abrasion Resistant Fusion Bonded Epoxy Powder Coating

» TYPICAL RESULT

| Test | Standard | Typical Result |
|------------------------------------|--|---|
| Cure - ΔT_g | CAN/CSA Z 245.20 ($\leq 5^\circ\text{C}$) | $-3^\circ\text{C} \sim 3^\circ\text{C}$ |
| Cathodic Disbondment | CAN/CSA Z 245.20 24hr, 3.5V, 65°C (11.5mm max) | 2mm~4mm |
| Interface Contamination | CAN/CSA Z 245.20 (30% max) | 10% max |
| Cross-section Porosity | CAN/CSA Z 245.20 (rating of 1~4) | Rating 1~2 |
| Interface Porosity | CAN/CSA Z 245.20 (rating of 1~4) | Rating 1~2 |
| 1.5° flexibility | CAN/CSA Z 245.20(No cracking) | No cracking |
| 3.0J impact resistance | CAN/CSA Z 245.20(No holidays) | No holidays |
| 24h adhesion at 75°C | CAN/CSA Z 245.20 (rating of 1~3) | Rating 1~2 |
| Surface Roughness | $> 50\mu\text{m}$ peak to trough | $60\mu\text{m} \sim 100\mu\text{m}$ |



» COATING PROCESS

