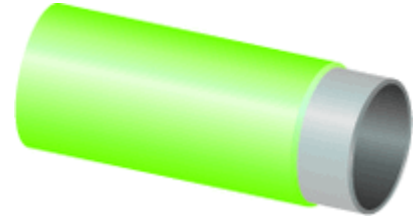


Fusion Bonded Epoxy

Operating Conditions

FBE is a powder coating suitable for application to Water, Oil and Gas pipelines of all diameters. Used for service temperatures up to 100°C in dry conditions and a maximum of 80°C when wet. Consult PPSC for guidance on use. FBE has been used successfully as a standalone pipe coating system for over 30 years. FBE is also the primary layer in many other coating systems such as 3 layer polyethylene and 3 layer polypropylene systems.



Application and Standards

FBE is applied by electrostatic spray to the heated pipe. Wasco Coatings applies FBE in accordance with recognized international standards such as CSA Z245.20, NACE RP0394 etc, customer specifications. Where required Wasco Coatings can provide details of in house specifications for this product to help develop the coating specification.

Typical Properties

Description	Reference Standard	Typical Value*
Cathodic Disbondment	CSA-Z245.20-02 (12.8) 24 hours, 3.5V, 65°C 28days, 1.5V, 20°C	1.5 to 2.5 2.5 to 3.5
Adhesion	CSA-Z245.20-02 (12.14) 75°C, 24 hours	Rating 1 or 2
Impact resistance	CSA-Z245.20-02 (12.12)	>3.0 J
Hardness	Shore D ASTM D2240-97	Average 90
Flexibility	CSA-Z245.20-02 (12.11) 3°/PPD @-30°C	Pass
Minimum Pipe Diameter		4.5"
Maximum Pipe Diameter		60"
Minimum Pipe Length		5.0 m
Maximum Pipe Length		24.4 m
Minimum Operating Temperature		-40°C
Maximum Operating Temperature		100°C

*Typical values are quoted but may vary with as a result of surface treatments and materials used