

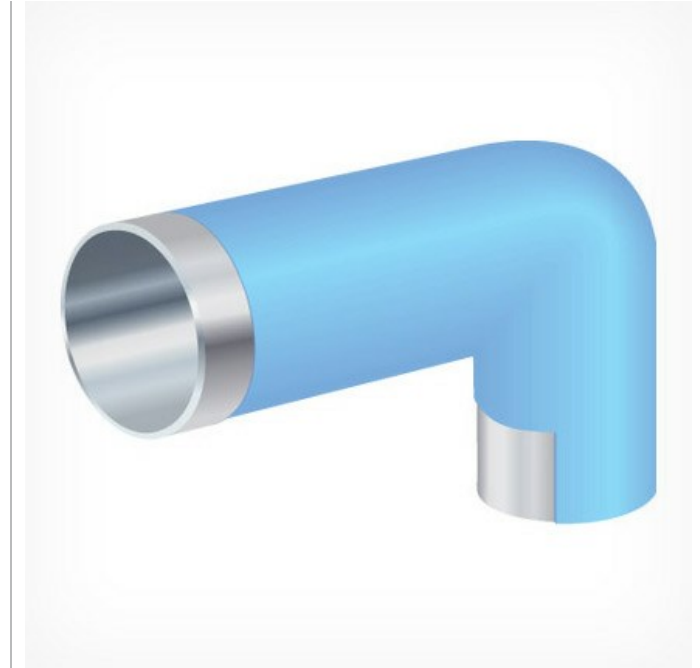
# FBE

## Fusion Bonded Epoxy Coating

Fusion Bonded Epoxy (FBE) is a thermosetting powder applied anti-corrosion coating that provides excellent protection for small to large diameter pipelines at up to moderate operating temperatures. Special grades of FBE are also available for higher operating temperatures, high strength steel pipes, or other specific applications.

### Long Term Corrosion Protection

- FBE has excellent adhesion to steel and provides superior long term corrosion resistance and protection of pipelines operating at moderate temperatures for the designed life
- Superior adhesion properties provide excellent resistance to cathodic disbondment which reduces the total cost of cathodic protection during the operation of the pipeline
- Special grades of FBE are available for use at higher operating temperatures, for coating of high strength steels and other specific applications



### Good Mechanical And Chemical Resistance

- FBE can be applied as a dual-layer product which provides tough physical properties that minimize damage during handling, transportation, installation and operation
- FBE has been designed for good chemical resistance under most soil conditions

### Improved Handling Characteristics

FBE is flexible and allows bending of the pipe for installation.

### Global Availability

Can be manufactured in a single plant or in multiple plant locations to improve project logistics.

CAPABILITY/PROPERTY	FBE
Minimum recommended handling and construction temperature	-30°C
Maximum recommended operating temperature	110°C
Bendability	Yes

\* Soil type, moisture content, temperature and coating thickness all influence the upper operating temperature limit as per manufacture's published literature. For operations outside of recommended operating temperatures, please consult Shawcor.

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