

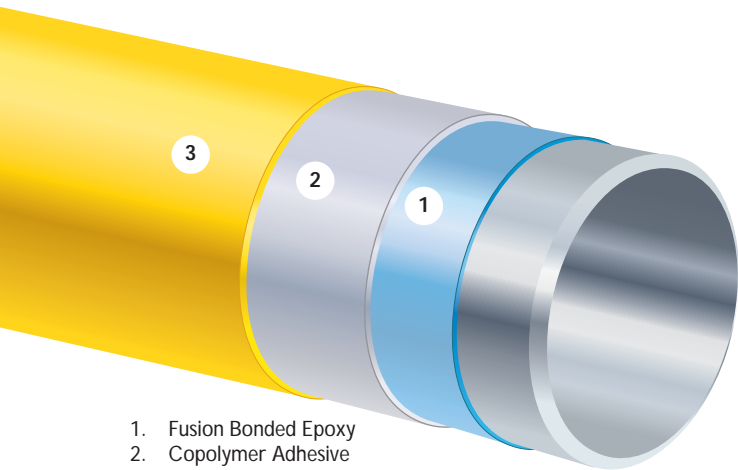
YJ2K™

Three Layer Bonded PE Coating for Higher Temperature Pipelines



ANTI-CORROSION

PRODUCT DATA SHEET



1. Fusion Bonded Epoxy
2. Copolymer Adhesive
3. HDPE

Product Description

YJ2K™ is a bonded coating consisting of a Fusion Bond Epoxy Primer, copolymeric adhesive and a thick high density polyethylene outer layer.

YJ2K™ was developed for buried oil and gas pipelines in environments where superior adhesion, impact, cathodic disbondment and moderate to high operating temperature properties are required.

Applications



Oil & Gas Gathering Systems



Elevated Operating Temperatures



Small Diameter Pipelines



Waterworks Pipelines

Related Standards and Specifications

- CAN/CSA Z245.21 (System B1)
- ISO 9001:2008

For additional standards and specifications with which this product complies, please contact your Bredero Shaw representative. In Canada, consult Shaw Pipe.



Excellent Corrosion, Moisture, and Soil Resistance

- The three layer system consisting of FBE, adhesive tie layer and a thick extruded polyethylene provides an excellent barrier to corrosion and moisture in various soil conditions.

Excellent Handling Characteristics

- The tough high density polyethylene outer jacket is formulated to protect pipes from damage when installed on the right of way as well as handling in storage yards.
- This outer layer thickness can be varied up to 3.5 mm to offer greater mechanical protection in very rugged environments.

Excellent Flexibility and Impact Resistance

- YJ2K™'s use of FBE provides excellent adhesion to the pipe which allows for field bending to -40°C while maintaining a high level of corrosion, moisture and soil resistance.

Features & Benefits

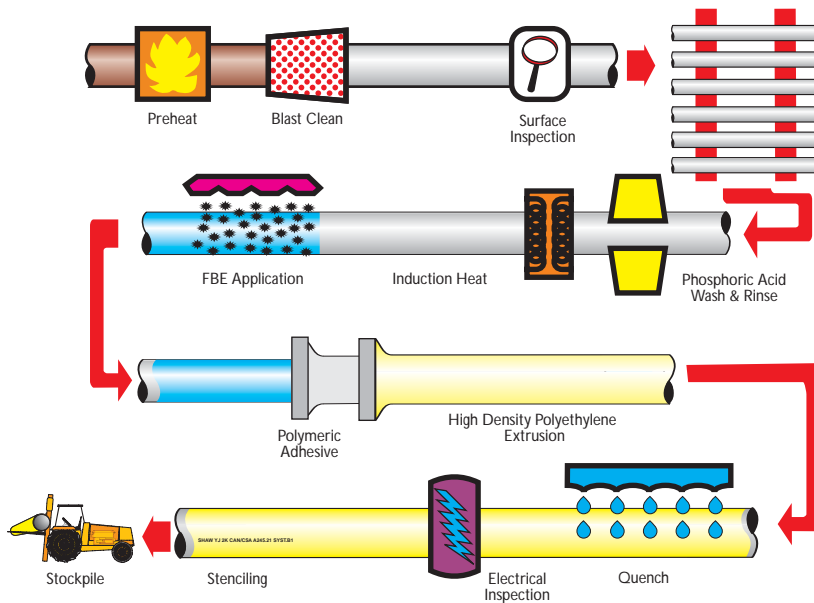
Three Layer Bonded PE Coating for Higher Temperature Pipelines

Typical Plant Capabilities and Product Properties

Capability/Property	YJ2K™
Minimum Pipe Diameter	90 mm (3.5")
Maximum Pipe Diameter	300 mm + (12")
Minimum Pipe Length	6.1 m (20')
Maximum Pipe Length.....	25.0 m (82')
Minimum Recommended Operating Temperature	-40°C (-40°F)
Maximum Recommended Operating Temperature	85°C (185°F)

Values shown are typical and may vary from plant to plant. Consult Bredero Shaw for special requirements. In Canada, consult Shaw Pipe.

Product Application Process



YJ2K_rev022

Plants

North America

Edmonton, Alberta

About Bredero Shaw

Bredero Shaw is the global leader in pipe coating solutions. With more than 80 years of experience, the largest team of dedicated pipe coating professionals, the most extensive network of strategically located plants worldwide and with proven innovative coating technologies, the company has protected more pipelines in virtually every environment and operating condition than anyone in the industry.

Bredero Shaw offers technologically advanced solutions for anti-corrosion coatings, protective and weight coatings, thermal flow assurance coatings, internal coatings, custom coatings and field joints for both onshore and offshore applications. This broad range of products and services provides Bredero Shaw with the unique capability to service the full spectrum of pipeline protection and flow assurance requirements. Consult your Bredero Shaw representative for your unique project requirements.

Regional Offices

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