

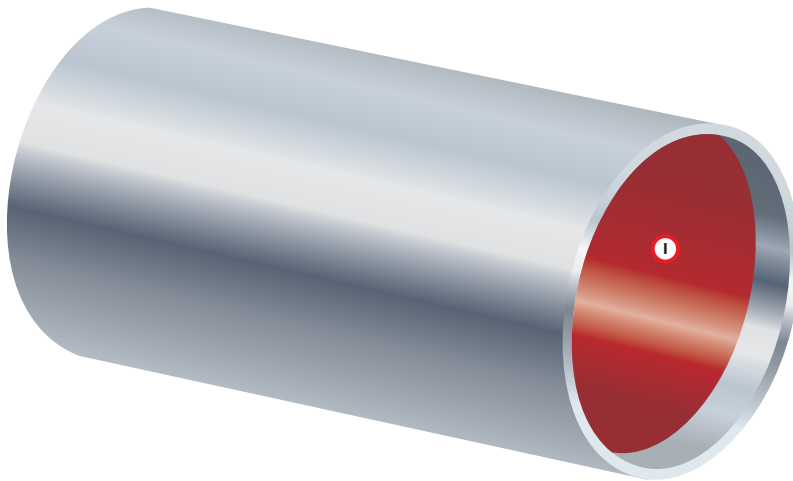
BREDERO SHAW

A SHAWCOR COMPANY

the
**GLOBAL
LEADER**
in pipe coating solutions.

SureFlo® SF

Solvent Free Thin Film Internal Epoxy Coating



① Flow Efficiency Coating

PRODUCT DESCRIPTION

SureFlo® SF is a thin film epoxy coating applied in natural gas pipelines to smooth the internal pipe surface for improved flow. The SureFlo SF is a solvent-free formulation designed to meet strict environmental regulations.

FEATURES AND BENEFITS

Ultra Smooth Finish

The application of SureFlo® SF replaces the internal rough surface of a steel pipe with a smooth surface finish. This results in a reduction in friction and turbulence which increases flow efficiency. This may allow for the use of a smaller diameter pipe or lower compression requirements resulting in reduced capital and operating costs respectively.

Improved Internal Surface Cleanliness

After application of SureFlo® SF, the clean internal surface of the pipe provides corrosion protection prior to installation and allows for easier visual inspection. In addition, the cleaner surface reduces the cost and effort of drying the pipe after hydrostatic testing.

Environmentally Friendly

The SureFlo® SF solvent-free product is designed to meet strict Health, Safety and Environmental standards.

Global Availability

Bredero Shaw has a network of 27 coating plants strategically located across 6 continents to minimize pipe transportation costs. SureFlo® can be manufactured in a single plant or in multiple coating plants to improve project logistics. High capacity within the Bredero Shaw plant network allows the client to benefit from single source advantages, ultimately providing more cost effective management of pipe coating needs.

PRODUCT DATA SHEET



Gas pipelines



Large diameter pipelines



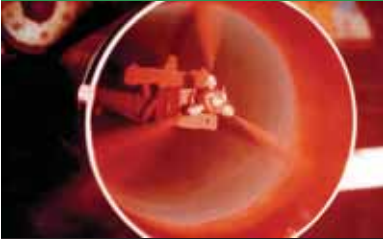
Small diameter pipelines



www.brederoshaw.com



SureFlo® SF



Americas
 Bredero Shaw
 A ShawCor Company
 3838 N. Sam Houston Pkwy E.
 Suite 300
 Houston, Texas
 77032-3400, USA
 Telephone: +1-281-886-2350
 Fax: +1-281-886-2353

Shaw Pipe
 A ShawCor Company
 Two Executive Place,
 1824 Crowchild Trail, N.W.,
 Calgary, Alberta
 T2M 3Y7, Canada
 Telephone: +1-403-263-2255
 Fax: +1-403-264-3649

Europe/Africa/Russia
 Bredero Shaw
 A ShawCor Company
 Imperial Dock
 Leith, Edinburgh, EH6 7DT
 Scotland, UK
 Telephone: +44-131-553-9600
 Fax: +44-131-553-9699

Bredero Shaw Norway
 A ShawCor Company
 P.O. Box 214
 N-7301 Orkanger
 Norway
 Telephone: +47-72-46-60-60
 Fax: +47-72-46-60-70

Middle East
 Bredero Shaw
 A ShawCor Company
 P.O.Box 1789,
 Suite 402, Al Reem Plaza
 Buhairah Corniche, Sharjah, U.A.E
 Telephone: +971-6-573-7374
 Fax: +971-6-573-7379

Asia Pacific
 Bredero Shaw
 A ShawCor Company
 101 Thomson Road
 # 17-01/02 United Square
 Singapore 307591
 Telephone: +65-6732-2355
 Fax: +65-6732-9073

www.brederoshaw.com

TYPICAL PRODUCT PROPERTIES

PROPERTY	SureFlo® SF
Minimum Internal Pipe Diameter	300 mm (12")
Maximum Internal Pipe Diameter	1320 mm (52")
Minimum Pipe Length	10 m (33')
Maximum Pipe Length	24 m (80')
Minimum Operating Temperature	-40°C (-40°F)
Maximum Operating Temperature	129°C (264°F)

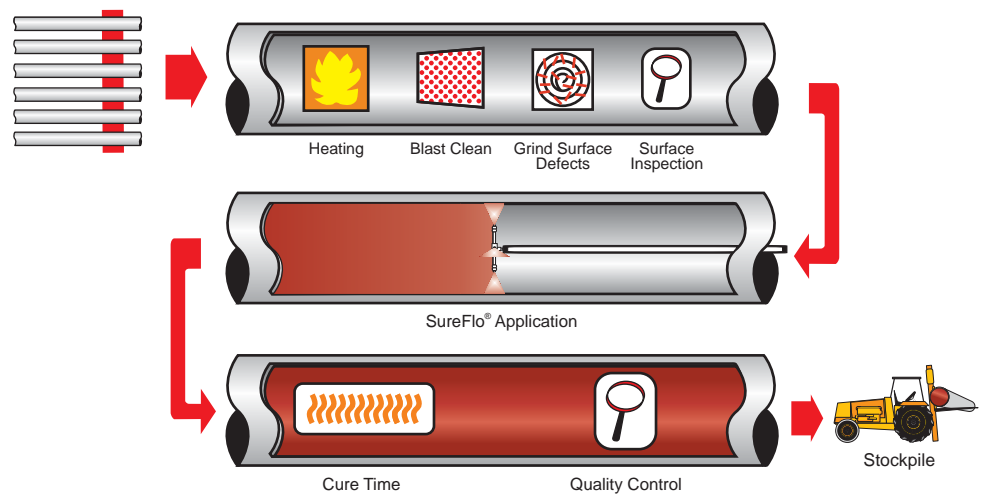
Values shown are typical and may vary from plant to plant. Consult Bredero Shaw for special requirements.

APPROVALS



- API RP5L2
- NACE RP 0181
- ISO 9001:2000

PRODUCT APPLICATION PROCESS



PLANTS

Veracruz, Mexico	Jubail, Saudi Arabia	Kabil, Batam Island, Indonesia
Belo Horizonte, Brazil	Ras Al Khaimah, UAE	
Leith, Scotland	Kuantan, Malaysia (planned)	

BREDERO SHAW: THE GLOBAL LEADER IN PIPE COATING SOLUTIONS

Bredero Shaw is the world leader in pipe coating solutions, with more than 75 years of experience, over 27 pipe coating facilities on 6 continents and the largest team of technical and service specialists in the business. 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.

The information contained herein is indicative of the types of coatings provided by Bredero Shaw, and is not intended to be a guarantee that a particular coating will be suitable for a given application. Since many unique environmental, operating, and design conditions must be considered, the user shall determine the suitability of the coating for the intended use and assume all the risks and liabilities in connection therewith. Bredero Shaw's liability is stated in our standard conditions of sale.