

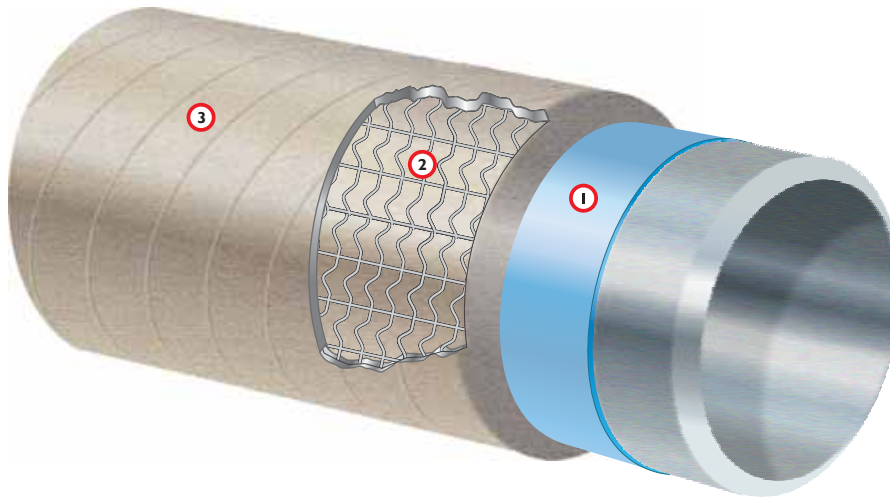
# BREDERO SHAW

A SHAW/COR COMPANY

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

## Compression Coat

### Concrete Weight Coating



① Anti-Corrosion Coating ② Reinforced Concrete ③ Outer Wrap

#### PRODUCT DESCRIPTION

Compression Coat is the pipeline industry's leading coating system for projects requiring rapid mobilization or coating near the right-of-way. This concrete coating system is designed to provide negative buoyancy and mechanical protection for pipelines in submarine and wet environments. Compression Coat uses a side-wrap application process making it ideal for both small and large diameter pipelines. The product is available in various thicknesses and densities and can be applied over anti-corrosion and insulation coatings.

#### FEATURES AND BENEFITS

##### Negative Buoyancy and Mechanical Protection

Compression Coat can be applied in a wide range of densities and thicknesses to meet project requirements. This feature can improve installation, optimize negative buoyancy and mechanical protection while minimizing cost. The product is available in thicknesses up to 150 mm (6") providing a high level of mechanical protection and stability. The Compression Coat system offers a consistent and uniform thickness and minimum weight variance from specifications.

##### Excellent Compatibility

Compression Coat can be applied over anticorrosion and insulation coating systems. This enables project teams to choose the most appropriate weight coating system without compromising the long term corrosion protection of the pipeline.

##### Value Added Options

The standard Compression Coat system can be enhanced further with additional features including bendability slots, crack inducers, buckle arrestors and sacrificial anodes.

##### Global Availability

Bredero Shaw offers the Compression Coat weight and protective system from a network of fixed coating plants strategically located across the world to minimize pipe transportation costs. In addition, Bredero Shaw has unique portable Compression Coat facilities that can be mobilized in a short period of time to meet specific project requirements. This can significantly reduce pipe transportation and handling costs. 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



Subsea pipelines



Swamp or muskeg



Large diameter pipelines



Small diameter pipelines



[www.brederoshaw.com](http://www.brederoshaw.com)

## TYPICAL PRODUCT PROPERTIES

As density and compressive strength are design variables for Compression Coat, the values below are given as a general guideline.

PROPERTY	Compression Coat
Density	1800-3050 kg/m <sup>3</sup> (112-190 lbs/ft <sup>3</sup> )
Characteristic Proctor Cylinder Compressive Strength (28 days)	30-40 MPa (4350-5800 psi)
Characteristic Cube Compressive Strength (28 days)	40-50 MPa (5800-7250 psi)
Minimum Concrete Thickness	25 mm (1")
Maximum Concrete Thickness	150 mm (6")
Minimum Pipe Diameter	150 mm (6")
Maximum Pipe Diameter	1220 mm (48")
Minimum Pipe Length	9 m (30')
Maximum Pipe Length	18 m (60')

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

## Compression Coat

### Americas

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### Asia Pacific

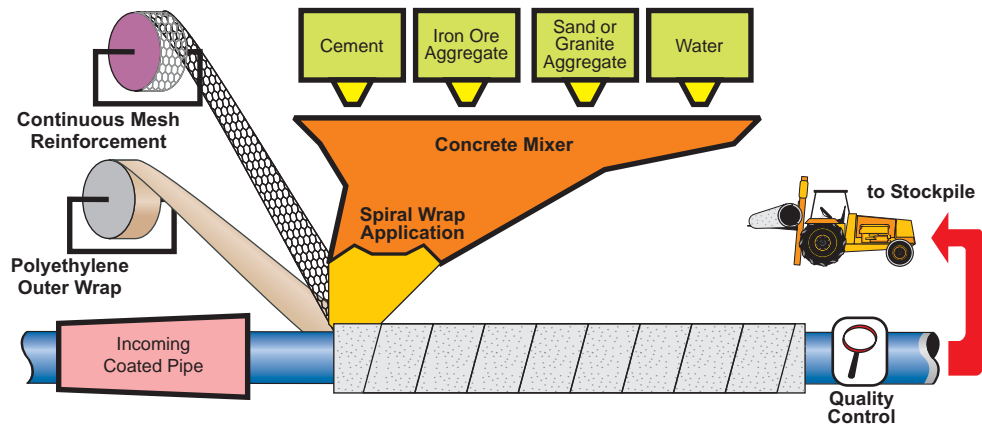
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## APPROVALS

- ISO 9001:2000
- DNV-OS-F101/2000



## PRODUCT APPLICATION PROCESS



## PLANTS

21 <sup>st</sup> Street, Edmonton, Alberta	Jubail, Saudi Arabia
Beaumont, Texas	Kembla Grange, Australia
Coatzacoalcos, Mexico	Mobile Plants
Arkhangelsk, Russia	

## 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.

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