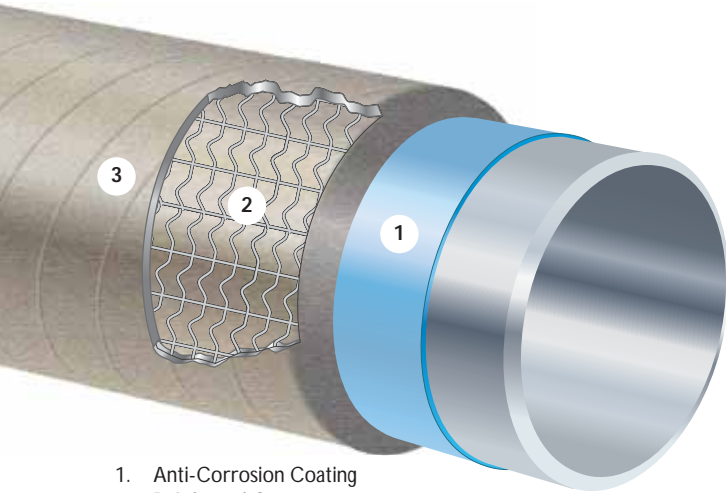




PROTECTIVE & WEIGHT

# 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 subsea 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.

## Applications



Subsea Pipelines



Swamp or Muskeg



Large Diameter Pipelines



Small Diameter Pipelines

## Related Standards and Specifications

- ISO 9001:2008
- ISO 21809-5:2010
- DNV-OS-F101/2000

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



## Negative Buoyancy and Mechanical Protection

- 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.
- Available in thicknesses up to 150 mm (6") providing a high level of mechanical protection and stability.
- Offers a consistent and uniform thickness and minimum weight variance from specifications.

## Excellent Compatibility

- Can be applied over anti-corrosion and insulation coating systems, enabling 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

- Available from a network of fixed coating plants strategically located across the world to minimize pipe transportation costs.
- 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, providing more cost effective management of pipe coating needs.

# Compression Coat

## Concrete Weight Coating

### Typical Plant Capabilities and Product Properties

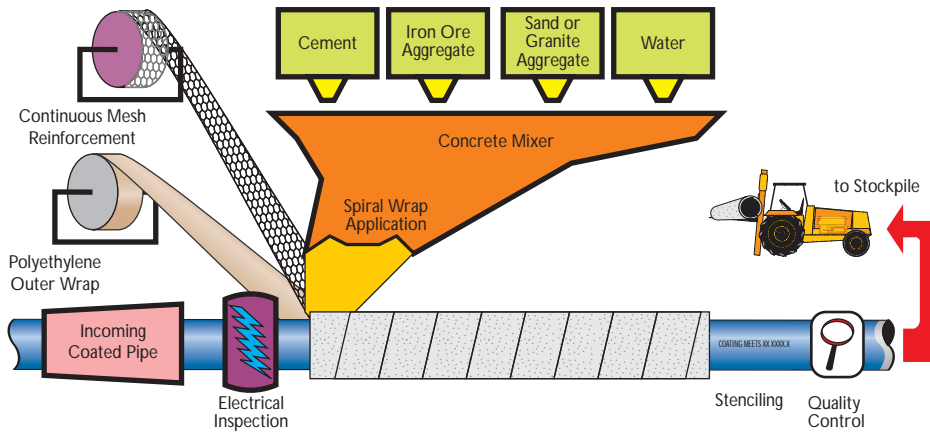
Capability/Property	Compression Coat
Density .....	1800-3050 kg/m <sup>3</sup> (112-190 lbs/ft <sup>3</sup> )
Characteristic Proctor Cylinder Compressive Strength (28 days) .....	30-40 MPa (4350-5800 psi)
Characteristic Cube Compressive Strength (28 days) .....	40-50 MPa (5800-7250 psi)
Minimum Concrete Thickness .....	25 mm (1")
Maximum Concrete Thickness.....	150 mm (6")
Minimum Pipe Diameter .....	88.9 mm(3.5")
Maximum Pipe Diameter .....	1220 mm (48")
Minimum Pipe Length .....	5.5 m (18')
Maximum Pipe Length.....	19.8 m (65')

As density and compressive strength are design variables for Compression Coat, the values above are given as a general guideline. Values shown are typical and may vary from plant to plant. Consult Bredero Shaw for special requirements. In Canada, consult Shaw Pipe.



Compression Coat\_rev021

### Product Application Process



### Plants

#### North America

Edmonton, Alberta  
Beaumont, Texas

#### Latin America

Coatzacoalcos, Mexico

#### EMAR

Arkhangelsk, Russia  
Jubail, Saudi Arabia

#### Asia Pacific

Kembla Grange, Australia

A mobile Compression Coat plant is available for set-up at all Bredero Shaw plants or on location of the project. Sufficient time for plant mobilization is required.

### 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.

#### HEAD OFFICE

**Bredero Shaw**  
3838 N. Sam Houston Pkwy E.  
Suite 300  
Houston, Texas  
77032-3400, USA  
Phone: +1-281-886-2350  
solutions@brederoshaw.com

#### NORTH AMERICA

**Bredero Shaw**  
Two Executive Place,  
200, 1824 Crowchild Trail, N.W.  
Calgary, Alberta  
T2M 3Y7, Canada  
Phone: +1-403-263-2255  
northamerica@brederoshaw.com

#### LATIN AMERICA

**Bredero Shaw**  
3838 N. Sam Houston Pkwy E.  
Suite 300  
Houston, Texas  
77032-3400, USA  
Phone: +1-281-886-2350  
latinamerica@brederoshaw.com

#### EUROPE, MIDDLE EAST, AFRICA & RUSSIA

**Bredero Shaw**  
Lakeside House  
1 Furzeground Way  
Stockley Park, Uxbridge  
UB11 1BD  
Phone: +44 (0) 208 622 3071  
EMAR@brederoshaw.com

#### ASIA PACIFIC

**Bredero Shaw**  
101 Thomson Road  
#17-01/02 United Square  
Singapore 307591  
Phone: +65-6732-2355  
asiapacific@brederoshaw.com