

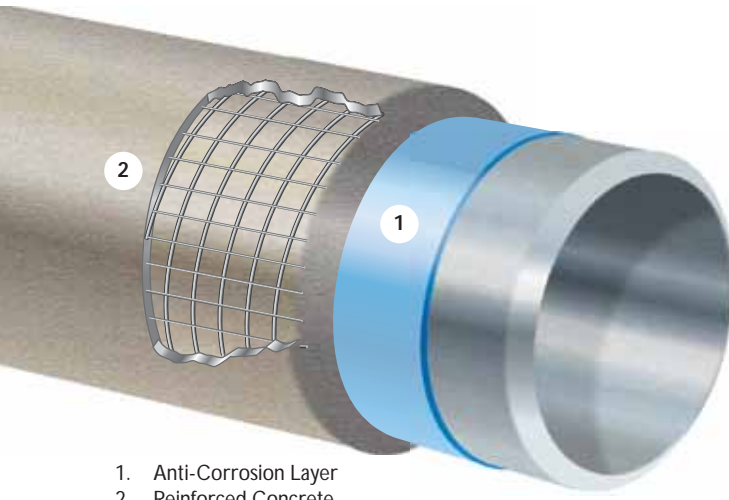
# HeviCote®

## Concrete Weight Coating



PROTECTIVE  
& WEIGHT

PRODUCT DATA SHEET



1. Anti-Corrosion Layer
2. Reinforced Concrete

### Product Description

HeviCote® is the industry's leading weight and protection pipe coating system designed to provide negative buoyancy and mechanical protection for pipelines in submarine and wet environments.

**HeviCote® uses an impingement process to apply lightweight, normal weight and heavy weight concrete coatings, making it ideal for 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



Large Diameter  
Pipelines



Small Diameter  
Pipelines

### Related Standards and Specifications

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

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



### 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 230 mm (9") providing a high level of mechanical protection and stability.

### Value Added Options

- The standard HeviCote® system can be enhanced further with additional features including bendability slots, crack inducers, buckle arrestors and sacrificial anodes.
- Depending on design requirements, HeviCote® can be manufactured with a reinforcing wire cage or galvanized reinforcing wire mesh.

### Excellent Compatibility

- Can be applied over anti-corrosion and insulation coating systems, enabling project teams to choose the most appropriate weight and protection coating system without compromising the long term corrosion protection of the pipeline.

### Global Availability

- Available from a network of coating plants strategically located across the world to minimize pipe transportation costs.
- 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.

Features & Benefits

## Concrete Weight Coating

### Typical Plant Capabilities and Product Properties

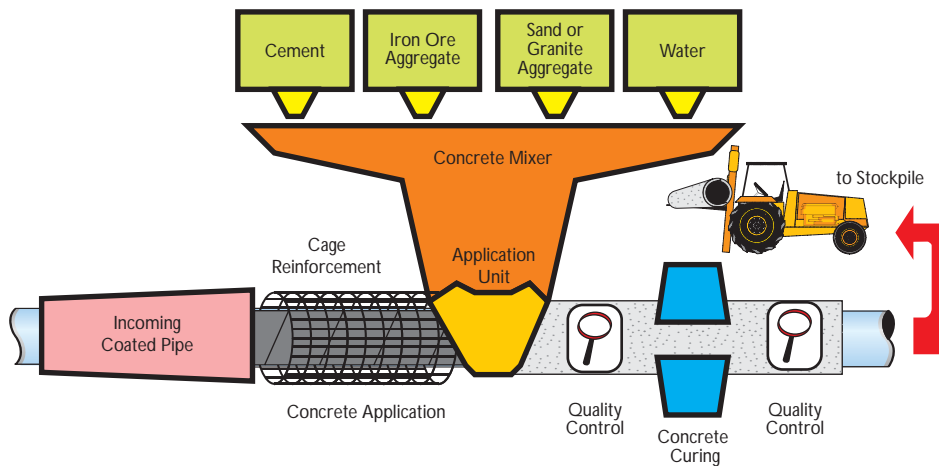
| Capability/Property                   | HeviCote®  |
|---------------------------------------|--|
| Density .....                         | 1800-3450 kg/m <sup>3</sup> (112-215 lbs/ft <sup>3</sup> ) |
| Compressive Strength (28 days)* ..... | 40-50 MPa (5800-7250 psi)                                  |
| Minimum Concrete Thickness .....      | 25 mm (1")   |
| Maximum Concrete Thickness.....       | 230 mm (9")  |
| Minimum Pipe Diameter .....           | 150 mm (6")  |
| Maximum Pipe Diameter .....           | 1422 mm (56")  |
| Minimum Pipe Length .....             | 8.5 m (28')  |
| Maximum Pipe Length.....              | 18 m (60')   |

*As density and compressive strength are design variables for HeviCote®, 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.*  
\* Characteristic cube compressive strength



HeviCote®\_rev021

### Product Application Process



### Plants

|                     |                                |
|---------------------|--------------------------------|
| <b>EMAR</b>         | <b>Asia Pacific</b>            |
| Leith, Scotland     | Kuantan, Malaysia              |
| Ras Al Khaimah, UAE | Kabil, Batam Island, Indonesia |

### 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

**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

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.