

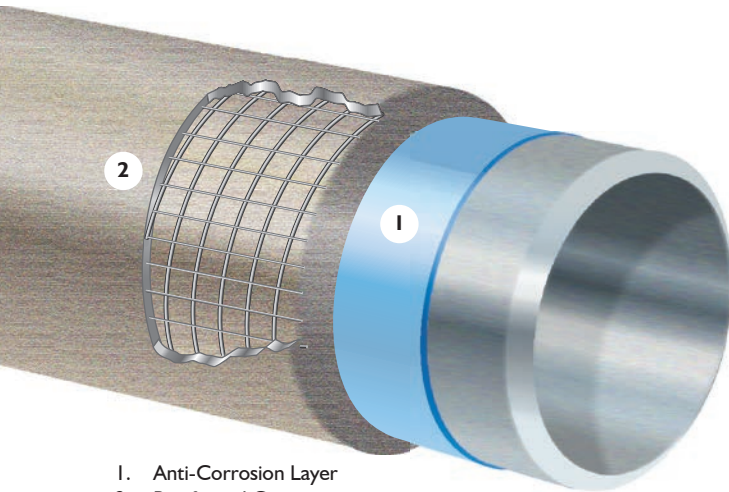
# HeviCote®

## 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

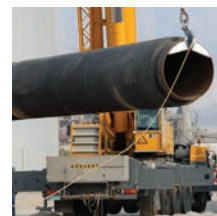
### Typical Plant Capabilities and Product Properties

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.

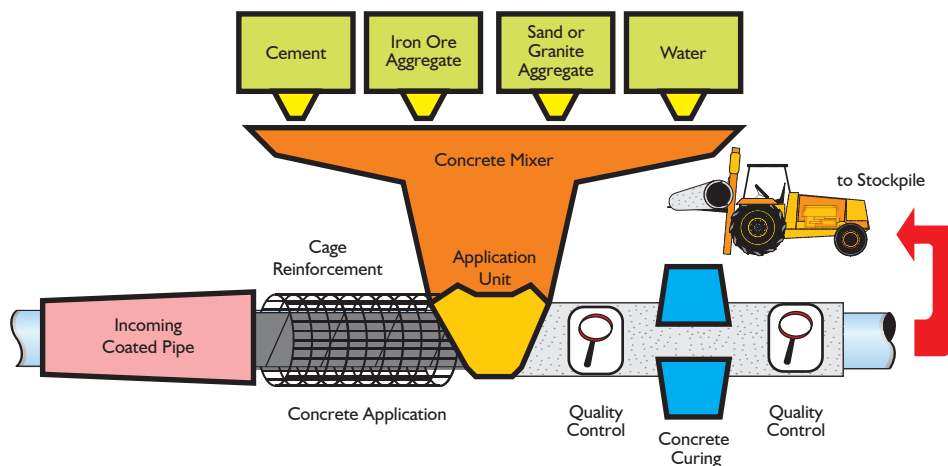
Values shown are typical and may vary from plant to plant. Consult Bredero Shaw for special requirements.

\* Characteristic cube compressive strength



HeviCote®\_rev021

### Product Application Process



### Plants

#### EMAR

Leith, Scotland  
Ras Al Khaimah, UAE

#### Asia Pacific

Kuantan, Malaysia  
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.

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