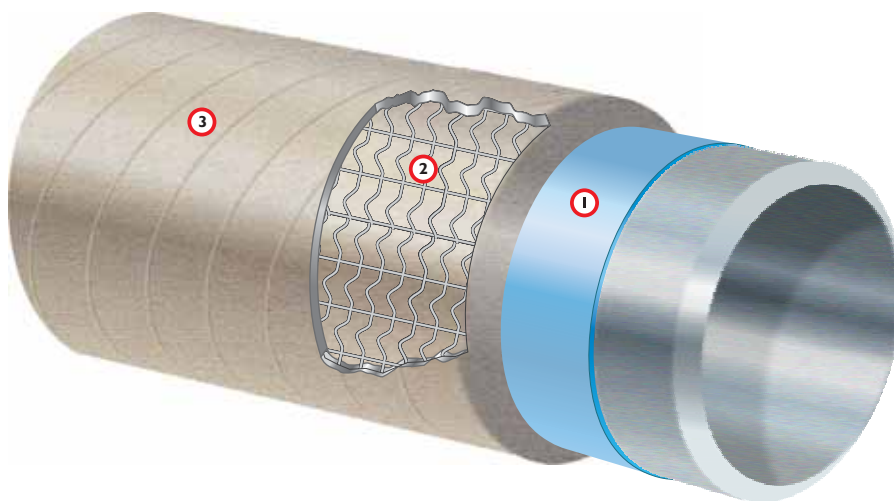


ARABIAN PIPECOATING COMPANY

Compression Wrap Concrete Coating

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.

PARTIAL PRODUCT LIST

PROJECT	LENGTH (km)	DIAMETER (")	CONCRETE THICKNESS (")	DENSITY (lbs/cu.ft)	YEAR
Offshore Maintain Potential	30.9	16	1	190	Ongoing
KJO FDP PHASE I	13.1	28	3.75	190	2008
Offshore Maintain Potential	37.1	16	1	190	2008
Zuluf Expansion - Aramco	11.8	16	1	190	2007
KJO FDP PHASE I	13.9	42	5	190	2007
KJO FDP PHASE I	22.7	36	3.5	190	2007

PRODUCT DATA SHEET



Subsea pipelines



Swamp



Large diameter pipelines



Small diameter pipelines



www.apco-coating.com



Compression Coat



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TYPICAL PLANT CAPABILITIES

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

PROPERTY	Typical Value
Minimum Concrete Thickness	25 mm (1")
Maximum Concrete Thickness	150 mm (6")
Minimum Pipe Diameter	203 mm (8")
Maximum Pipe Diameter	1219 mm (48")
Minimum Pipe Length	10.5 m (34')
Maximum Pipe Length	25 m (46')

TYPICAL COATING PROPERTIES

PROPERTY	Compression Coat
Density	1800-3284 kg/m ³ (112-205 lbs/ft ³)
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)

APPROVALS / INTERNATIONAL STANDARD



- ISO 9001:2015
- 01-SAMSS-012
- DNV-OS-F101/2000
- KJO

PRODUCT APPLICATION PROCESS

