

TECHNICAL DATA SHEET

ARMAFLAKE OFFSHORE [®]

Description

Armaflake Offshore is an epoxy coating filled with graded glass flakelets based on a resin with exceptional thermal & mechanical properties. The product is formulated to adhere to surfaces where optimum surface preparation is not possible. However surfaces should still be prepared to as good a standard as practicable, with a target of ST2 minimum, mill scale free, wherever possible.

Its good penetration and adhesive properties ensure excellent protection in long term exposure.

Uses

For corrosion protection of the externals & internals of steel structures in fresh, brackish or salt water environments. It is very tolerant of poorly prepared substrates. It gives good resistance to water & sea water in applications such as offshore platforms, rigs, pipelines, tanks & structures, in refineries, chemical & petrochemicals units.

Features

- Long term corrosion protection.
- Very good water/sea water resistance.
- Good resistance to acids and alkalis.
- Flexible.
- Good impact resistance.
- Good substrate wetting.
- Easy to apply with standard airless spray equipment

Surface preparation

Steel surfaces must be clean from all contamination, such as grease, dirt, oil and salt. Grease and oil must be removed with a suitable degreaser. Cleaning can be carried out using hand or power tool to ST2 minimum. Some dampness in the substrate may be tolerated – please contact supplier for advice.

Mixing & Application

Mix Part A & Part B thoroughly using a mechanical mixer until homogenous. Do NOT thin or split packs.

May be spray or brush applied. When spraying use a 68:1 airless spray machine.

During application the steel substrate temperature should be at least +10°C and preferably at least 3°C above the dew point. Ensure adequate ventilation of enclosed areas during application.

Epoxy coating will chalk when exposed directly to sunlight.

Properties

Volume Solid (%)	98 ± 2
Film thickness (µm)	150 – 200 µm
Pot Life (30°C)	50 minutes
Touch Dry (30°C)	4 Hours
Cathodic disbondment resistance (G/GBE/CW6 (28 days)	< 5mm radius
Shore D hardness	>80
Salt Spray test 2000 hrs (ASTM B 117)	Pass
Adhesion to mild steel (SA ½)	1850 psi

Storage

Store in a cool place, well ventilated and away from direct sunlight and other sources of heat.

Shelf Life:

12 months

Packaging

Armacoat Standard packing size.

Health and Safety

Wear protective clothing and ensure adequate ventilation. Avoid contact with skin. See material safety data sheet.

Contact Information



<http://armacoat.in>

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