

## **TECHNICAL DATA SHEET**

# **ARMAFLAKE OFFSHORE**

### **Description**

A solvent less 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.

## **Properties**

Volume Solid (%)	100
Film thickness (µm)	250 - 300 (typical)
Pot Life (25°C, 100g)	40 minutes
Touch Dry (25°C)	7 Hours
Cathodic disbondment resistance (G/GBE/CW6 (28 days)	< 5mm radius
Shore D hardness	>80
Salt Spray test 2000 hrs ( ASTM B IIT)	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.

## **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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