

TECHNICAL DATA SHEET

ARMAFLAKE ST

Description

Armaflake ST is a two-pack, solvent free, epoxy resin based coating specifically developed for one coat, high-build application by brush or standard airless spray equipment onto steel substrates that cannot be grit blasted.

It contains glass flakes for superior corrosion resistance, wear resistance and longevity. 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. Armaflake ST 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. Armaflake ST can be used alone or in combination with other top coats for long term exposure.

Features

- 1 Solvent free.
- 2 Fast cure.
- 3 Surface tolerant,
- 4 Flexible.
- 5 Very good resistance to sea water, acids and hydrocarbons.
- 6 Good abrasion and impact resistance.

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
Glass transition temperature	74°C
Shore D hardness	>80

Adhesion to mild steel (SA2½) (Elcometer)	1950 psi
Impact strength (20°C) ASTM G14	6 J/mm
Water Absorption (20°C) ASTM D570 (24 hrs)	0.45 %
Water vapour transmission (ASTM E96 (C)	0.58g/24hr m ² /mm

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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