

TECHNICAL DATA SHEET

®

ARMAFLAKE ST

DESCRIPTION

Armaflake ST is a solvent free modified epoxy based coating with superior glassflakes specifically designed for high-build application by brush or standard airless spray equipment onto a minimally cleaned substrates.

The presence of optimum level of high-grade glass flakes enhances 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 strong adhesion properties ensures long term excellent protection and higher service life.

USES

The product is designed to perform in C X & C 5 conditions and is very effective for offshore structures (Process & Unmanned Platforms, Rigs, FPSO etc), Jetties, Tank farms, Pipelines and structures in refineries, chemical & petrochemical units. Armaflake ST can be used alone or in combination with other topcoats for long term exposure.

FEATURES

- Surface Tolerant.
- Fast cure.
- High Impermeability.
- Very good resistance to sea water, acids and hydrocarbons.
- Very good resistance to acid and alkalis.
- High abrasion and impact resistance.
- High Thickness Buildup.

PROPERTIES	STANDARD	UNITS	VALUE
Volume Solid	ASTM D2697	%	99 %
Taber Abrasion	ASTM D4060	< 100 mg	94.9 mg
Water Vapour Permeability	ASTM D1653	g/m ² /day	0.42 gm/ m ² /day
Pull off Adhesion	ASTM D4541	> 10 MPa	12.83 Mpa
Impact Resistance	ASTM D2794	Min 5 Joules	9.20 Joules
Shore D hardness	ASTM D2240	>70 Shore D	80
Sea water Immersion	ASTM D6943	4200 hrs	Passes
Salt spray	ASTM B117	4200 hrs	Passes
Humidity Condensations	ASTM D2247	Hrs	Passes at 2100 hrs
Tensile Strength	ASTM D2370	10 Mpa	11.50 Mpa
Cathodic Disbandment	ISO 20340	4200 hrs	Cathodic Disbandment Area = 4.50 mm
Mixed density (25°C)			1.2
Pot life (25°C)			40 Mins.
Touch Dry (25°C)			4 Hours.
Theoretical Coverage @ 200Microns.			5 sq. mtr / Ltr.

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.

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. Tip orifice should be selected judiciously

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.

STORAGE

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

PACKAGING

Armacoat Standard packing size.

SHELF LIFE

Shelf life 12 months.

HEALTH & 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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