

TECHNICAL DATA SHEET

ARMAFLAKE ULTRA-A

Description

A solvent less Polyester coating filled with graded glass flakelets based on a resin with exceptional thermal & mechanical properties.

Applied directly onto steel substrates prepared to SSC-SP 10 standard SA2½ with good corrosion and abrasion resistant properties to ensure excellent long term protection in aggressive exterior exposure conditions.

Uses

For corrosion protection of the internals and externals of steel structures in fresh, brackish or salt water environments. It gives good resistance to water and sea water on offshore platforms, rigs, internal & external pipelines, structures, tanks and many other marine and onshore applications.

Features

- Long term corrosion protection.
- Very good water/sea water resistance.
- Good resistance to acids and alkalis.
- Good impact resistance.
- Application range 0°C to 40°C.
- Good substrate wetting.
- Easy to apply with standard airless spray equipment.

Surface preparation

Steel surfaces should be prepared to SSC-SP 10 standard SA2½ minimum by grit blasting, using angular grit, to a clean near white finish with a surface profile of 50µ to 100µ. Flash rusting should be avoided.

Refer to Armaflake Ultra - A Method Statement.

Handling

To a 25 KG. bucket, add 1-2% of the supplied catalyst Armacoat 302 or equivalent medium reactivity MEKP catalyst. Mix thoroughly for 3 minutes using an air-driven power whip. (**CARE** : incomplete mixing can lead to poor coating performance). Spray the material in one coat using a 68:1 airless spray machine, tip size 21-31 thou and 3/8 inch diameter spray hose.

Application

Mixed density (23°C)	1.2
Viscosity (23°C)	50000-90000 cps
Coverage (practical)	1.5-1.7 kg/m ²
Pot life (30°C) mins	25
Drying time (30°C) hrs	3
Overcoating time (hrs)	Min 2 max 48
Maximum humidity	90%
Minimum dewpoint/substrate Differential (steel)	Dewpoint +3°C

Recommended film thickness

One coat at 750-1000 μ . More coats can be applied depending on prevalent service conditions. Carry out regular film thickness tests with a steel film thickness comb to ensure even film thickness.

Properties

TEST METHOD	STANDARD	UNITS	VALUE
Shore D hardness	ASTM D2240		75
Volume Solids	ASTM D792	%	99
Tensile strength	ASTM D638	MPa	44.0
% Elongation	ASTM D 638	%	2.0
Taber Abrasion	ASTM D 4060	Mg	25
Water vapour permeability test	ASTM D 1653	MPa	0.12
Pull off Adhesion on rusted sample	ASTM D 4541	MPa	8.5
Pull off Adhesion on Polyester coated sample	ASTM D 4541	MPa	10.0
Salt Spray test 2000 hrs	ASTM B117	hrs	Pass
Humidity test 2000 hrs	ASTM D 2247	hrs	Pass
Cathodic Disbondment (23°C)	ASTM G-8	mmr	1.0

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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