

TECHNICAL DATA SHEET

ARMAFLAKE ULTRA-C

Description

Armaflake Ultra - C is a Bisphenol A vinyl ester based coating filled with graded glass flakelets which gives exceptional thermal & chemical resistance.

It is applied directly onto steel substrates prepared to SSC-SP 10/SA 2½ standard. It has excellent corrosion and abrasion resistant properties to ensure long term protection in very aggressive environments at temperatures up to 100°C.

Uses

Used for long term protection of steel structures exposed to aggressive chemicals or high temperatures in applications such as internal tank & pipe linings, separators, water boxes, Offshore platforms and other process equipment.

Features

- Rapid thin film drying time
- Long term corrosion protection
- Excellent resistance to acids, alkalis & solvents
- Good thermal resistance
- Application range 5°C to 40°C
- Repairable
- Easy to apply with standard airless spray equipment

Surface preparation

Steel surfaces should be prepared to SSC-SP 10/SA2½ minimum by grit blasting, using angular grit, to a clean near white finish with a surface profile of 50µ to 100µ. Use power tools such as abrasive wheels and needle guns for areas of difficult access.

Mixing & Application

To a 25kg bucket, add 1-2% of the supplied catalyst Armacoat 301 or equivalent low 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 two coats at 500µ per coat to yield a wet film thickness of 1mm minimum. Use a 68:1 airless spray machine, tip size 21-31 thou and 3/8 inch diameter spray hose.

Properties

Volume Solid (%)	98
Film Thickness (µm)	500
Pot Life (23°C)	30-60 Minutes
Touch dry (23°C)	2 - 3 Hours
Cathodic disbondment resistance (20°C , 28 days)	4MM
Shore D Hardness (20°C)	>80
Adhesion to steel (SA 2 ½ Elcometer)	12MPA
Impact Resistance (ASTM D 2794)	> 7 J/mm
Water Absorption (ASTM D 570)	0.1 %

Recommended film thickness

Two coats at 500 μ per coat. More coats can be applied depending on service conditions. Carry out regular film thickness tests with a film thickness comb to ensure even film thickness

Thinning/Cleaning

Clean tools with Diacetone alcohol or styrene. Do not thin.

Storage

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

Packaging

Armacoat standard packing size.

Health and safety

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

Contact Information



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