

TECHNICAL DATA SHEET

ARMAFLAKE EHB

Description:

Armaflake EHB 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.

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.

Uses:

For corrosion protection of the externals & internals of steel structures in fresh, brackish or salt water environments. Armaflake EHB is very tolerant of poorly prepared substrates. It gives good resistance to water & sea water in offshore platforms, rigs, pipelines & structures, lock gates, bridges, railings and many other marine or onshore applications.

Features:

- Solvent free.
- Fast cure.
- Surface tolerant,
- Flexible.
- Very good resistance to sea water, acids and hydrocarbons.
- 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 should be carried out using hand or power tool to ST2 minimum. Some dampness in the substrate can be tolerated – please contact supplier for advice.

Application:

Mixed density (23°C)	1.4
Pot life (30°C)	15 mins
Drying time (30°C)	1 hr
Overcoating time (30°C)	1 hr (minimum)
Maximum humidity	90%
Minimum dew point Differential (steel)	Dewpoint +3°C

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 45:1 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:

TEST METHOD	STANDARD	UNITS	VALUE
Shore D hardness	ASTM D 2240		75
Volume Solid		%	100
Taber abrasion	ASTM D 4060	mg	64
Water vapour permeability test	ASTM D 1653	g/m ² /day	0.7
Pull off adhesion on rusty sample	ASTM D 4541	MPa	18.8
Pull off adhesion on Polyester coated sample	ASTM D 4541	MPa	13.5
Salt spray 250 hrs	ASTM B 117	hrs	Pass
Humidity test 250 hrs	ASTM D2247	hrs	Pass

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



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