

BLUSKY™ FLOWCOASTAL

Heavy Bodied - Polymer Based Compound For Corrosion Protection Of Steel

Description

BLUSKY™FLOWCOASTAL is a single component compound, based on liquid polymer blends admixed with special chemicals, as a corrosion inhibitor. This compound is mainly used as a corrosion inhibiting coating, applied on concrete, reinforcement or steel surfaces.

Indicative Characteristics

Form	Liquid
Specific Gravity	1.04 + 0.02
Color of hardened coating	Cement like Grey
PH	8 -10
Chloride Content, As per BS : 5075, Part-I	Nil
Bond Strength at 27°C	>3 N/mm ²
Coverage (Approx.)	0.25kg/m ²
Mix Ratio (Liquid: Powder) by wt.	1: 2
Initial cure at 27°C, for pedestrian traffic	After 8 hours
Full cure, days	2

Domains of Application

Corrosion protective coating for concrete or steel structures in sea or fresh water, salt-spray or salt environment.

Bridge decks, ship decks, sheet piling walls, structural steel members, interior and exterior surfaces of water tanks, above ground and underground tanks and pipes.

Wear resistant topping, Bond coat for concrete with steel and/or reinforcement.

Method of Application

Surface Preparation

Surface shall be clean and free from loose scale, poorly bonded coatings, oil, grease and other deleterious material. Although wire-brushing, rubbing with emery paper and cleaning with other method may work on surfaces which are not badly corroded, but to achieve best results, sand blasting, high air or water jetting or air water grit blasting is preferable.

At certain locations, depending on the condition of reinforcement certain amount of silica powder may be added.

Apply the mixed material on prepared surface by means of brushes, rollers or air operated grouting feed type hopper gun or spray system.

Mixing

Two parts of dry cement is to be added to one part of **FLOWCOASTAL** (by weight). Add cement into the liquid blend and mix with mechanical stirrer to uniform color. Ensure that no lump is formed during mixing a help of low speed (300-400 rpm) paddle mixer. The mix has to be stirred thoroughly, until a lump-free smooth slurry is obtained. Stand for 4-5 minutes after mixing to release air from the mix..

Application

All surfaces (flat and vertical /inclined) shall be thoroughly clean to saturated surface dry condition; at the same time application of **FLOWCOASTAL** . Remix the content again with a spatula and start application by brush, roller or any other suitable tools on prepared surface. Minimum two coats are recommended. First coat should be allowed to air dry for 5-6 hours. 1 kg. **FLOWCOASTAL** mixed with 2 kg. cement, i.e. 3 kg. mixed material 2 will cover an area of 2 - 2.5 m² approximately.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

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Advantages

- Can be applied on moist surfaces.
- Bonds well to steel and even galvanized steel.
- Allows vapor pressure to pass through the coating thereby prevents the possibility of blistering of the coating.
- U.V. rays do not have any effect.
- Mild acid and strong base does not destroy the coating.
- Provide a dust free surface.
- Non-inflammable and non-toxic.
- Most of the physical properties improve with age.
- Keeps the adhering concrete alkaline in RCC

Precautions

- Presence of strong acid may deteriorate the coatings.
- Should not apply to any surface having temperature below 4° C.
- Apply the first coat immediately after the mixing is over and the second coat is to be followed before the first coat becomes hard.
- All the mixed materials are to be consumed within 1 or 2 hours.
- Allow to air cure in the first four hours and then cure for further 48 hours by water spray.

Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

5, 10 & 20 kg kit

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.bluskyscpl.com

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