FloArm Coat ECW

(Formerly known as MYK Coat ECW 130)

Water Based Epoxy Coating

TECHNICAL DATA SHEET

Product Description

FloArm Coat ECW is a three component, water based, Zero VOC, solvent-free coating for concrete and other building material.

Uses

All clean room applications –

- Pharmaceuticals,
- Hospitals, Electronic manufacturing etc.
- Walls and ceilings
- Inside coating in water tanks
- Areas prone to dampness/humid and high moisture areas
- Areas requiring easy maintenance
- Warehouses, Utility areas, offices etc.

Features and Benefits

FloArm Coat ECW is characterized by:

- **Attractive** - available in a range of colors.
- **Hygienic** - easily cleaned due to impervious finish.
- Economic and easy to apply.
- **Solvent free** - can be applied in confined spaces.
- **Odor free** - can be applied in food processing areas and hospitals.
- **Water based** - all tools and equipment can be cleaned with water. easy to mix, apply & clean
- **Green Building concept** - Green Product
- **Vapor Permeable** – Allows water vapor to permeate and minimizes damp spots and spalling.
- Moderate Resistance to oil and grease
- Mild resistance to dew

Application Methodology

Method of use of Tools:
For Surface Preparation:
As appropriate to substrate condition & size of repair area involved use chisel, grinder (such as High Grinder 125.4 RO*or similar) sandblasting, water-blasting or grit-blasting equipment

For Mixing:
Use a spiral mixing paddle (such as MG140*) attached to a variable slow speed mixer (such as High Mix EHR23*).

Step no.1: Surface Preparation:
Surface to be coated must be structurally sound, dry and free from loose material. All surface contamination must be removed. Grease and oil should be grit blasted or water jetted. Deeper penetration must be removed by mechanical means. Any laitance must be removed from concrete surface by suitable means then washed off and dried. New concrete should be allowed to cure for at least 28 days prior to application. It is essential that FloArm Coat ECW applied to sound clean, visibly dry substrates in order to achieve maximum adhesion between the coating and substrate.
Apply a 5 by 5 ft. test in an inconspicuous area that meet the owner's expectations for appearance (Note that the final finish would depend on the smoothness of the surface)

Step no.2: Priming

Priming is recommended only for porous and dusting surface. For recommendation please contact technical cell of MYK Arment.

Step no.3: Mixing

The pigment pastes to be mixed thoroughly into the hardener part using drill machine, and then finally add base part in to the mixed material mix the entire contents for at least 3 minutes mechanically using a slow speed (300 – 500rpm) heavy duty drill fitted with a mixing paddle. Mix till homogeneous consistency and color is obtained.

Step no.4: Application / Coating

The mixed FloArm Coat ECW shall be applied to the dry, prepared substrate making sure a continuous film is achieved using a standard paint brush or good quality lamb's wool roller or spray equipment. The optimum dry film thickness of 130 micron is achieved in two coats.

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Cleaning:

Tools and equipment should be cleaned with water immediately after use (wet condition) Once dry should be removed mechanically.

Cleaning & Equipment Maintenance:

During continued application, all tools must be regularly &thoroughly cleaned with water

Technical Data

Basis	3-components
Base	Water dispersed epoxy-resin Off white emulsion.
Hardener	Dark Brown color Liquid
Colour Part	Off white paste.
Application by	Brush able / Roller
Shade	Off White color factory made, can be tinted at site for customer requirement.
Mixed Density	Approx. 1.50 g/ml at 27° C
Pot life	30 min. at 25° C
Application temp	15° C to 35° C Humidity should be below 70%
Tack free time	6-8 hrs. at 30°C, at low temp tack free time will high.

*Please note that after the usable life has expired, the material although not hardened, increases in viscosity and the characteristics of the product change. Excess material should be discarded after this point

Consumption

FloArm Coat ECW approx. 0.300 kg/m2 in two coats. It will give WFT 200 microns and the Dry film thickness would be Approx. 130 microns. 15 – 18 sq meter will cover in one pack of 5 kgs . Higher consumption is expected on rough surfaces .Always allow for wastage when calculating quantities to order.

Packaging

- FloArm Coat ECW is supplied in 5 kg composite pack.
- (Base +Hardener + color part) kits consisting of 3 components all three components are delivered at a predetermined mixing ratio.

Storage and Shelf Life

6 months when original, unopened containers are stored in a dry and frost-free environment above 5° C.

Annotation

- Always mix a full pack. Do not mix part packs.
- Do not expose applied material before initial cure to moving water.
- Protect from water before initial cure to prevent surface deformations.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of MYK Arment.
- Good housekeeping is essential in areas where chemical gas / smoke attack is likely to occur. It is especially important that such exposure should not be allowed to dry as higher concentrations of chemicals will result the discoloration of the coating.

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Health & Safety

Once completely cured, FloArm Coat ECW is harmless. The hardener (component B) is irritating. Therefore implicitly ensure that the hardener does not come into contact with skin. Always wear protective gloves and adequate eye protection when working with this product.

Clean up contamination with plenty of water and soap, preferably with the addition of 10% household vinegar. Should splashes get into the eyes, rinse immediately with plenty of water and seek immediate medical help with reference to the current valid Material Safety Data Sheet. Adhere to the general government health and safety protective directive.

Product Categories Available

Legal Note

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