

# EPOMARINE FW 100 FINISH

CODE : 474-001/003

PROTECTIVE COATING

EPOXY

## DESCRIPTION

A high build epoxy enamel based on solid epoxy resin and polyamide adduct hardener.

## USE

As a protective finish coat can be used in freshwater tanks and potable water tanks.

## COLOR AND GLOSS LEVEL APPEARANCE

- White
- Gloss Level : Sheen

## BASIC DATA

| Data for mix product |  |
|----------------------|--|
| Application Method   | Airless spray, Air spray, Brush or Roller  |
| Specific Gravity     | 1.31 g/ml (mixtures, white)  |
| Volume Solids        | 67% (mixtures)   |
| VOC                  | 432 g/Liter (Method 24 analysis)   |
| Flash point          | Base : 14°C                      Hardener : 4°C  |
| Mixing Ratio         | Base : Hardener = 85 : 15                      by weight   |
| Recommended DFT      | 80 micron/coat   |
| Theoretical Coverage | 5.5 m <sup>2</sup> /Kg at DFT 80 micron<br>7 m <sup>2</sup> /Liter at DFT 80 micron<br>*Practical coverage vary depending on loss factor |
| Pot Life             | At temperature    10°C    20°C    30°C<br>16 hours   8 hours   4 hours<br>*Use all mixed paint within pot life                           |
| Packaging            | 4.25 Kg (3.08 Liter) Base in 5 Liter container<br>0.75 Kg (0.83 Liter) Hardener in 1 Liter container                                     |

## SURFACE PREPARATION SUMMARY TABLE

| Substrate       | Surface Preparation                                       |   |
|-----------------|---|---|
|                 | Minimum   | Recommended   |
| Coated Surfaces | Clean, dry, no porosity, and undamaged compatible coating | Clean, dry, no porosity, and undamaged compatible coating |

## APPLICATION

Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be minimum of 3°C above dew point.

Adequate ventilation shall be provided in confined spaces to ensure proper drying

| Mixing                   | This material is a two component coating. Always mix a complete set unit in the proportion supplied. After mix, use all mixed paint within pot life specified<br>1). Stir Base (Part A) with power agitator<br>2). Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator |  |
|--------------------------|---|--|
| Airless Spray            | Recommended   | Nozzle Tip : 0.43 – 0.53 mm<br>Nozzle Pressure : Not less than 10MPa |
| Air Spray (Conventional) | Recommended   | Nozzle Orifice : 1.5 – 2 mm<br>Nozzle Pressure : 0.3 – 0.4 MPa       |
| Brush                    | Recommended   | Typically 35 – 45µ can be achieved                                   |
| Roller                   | Recommended   | Typically 35 – 45µ can be achieved                                   |
| Thinner                  | Epomarine Thinner   | Max 10% depend on application method                                 |

| Over coating interval for DFT 80 micron |          |          |          |          |
|---|----------|----------|----------|----------|
| Over-coating with                       | Interval | 10°C     | 20°C     | 30°C     |
| Epoxy, Polyurethan coating              | Minimum  | 36 hours | 24 hours | 16 hours |
|   | Maximum  | 1 month  | 1 month  | 1 month  |

| Curing time DFT to 80 micron |              |               |           |
|------------------------------|--------------|---------------|-----------|
| Substrate temperature        | Dry to touch | Dry to handle | Full cure |
| 10°C                         | 24 hours     | 36 hours      | 7 days    |
| 20°C                         | 12 hours     | 24 hours      | 7 days    |
| 30°C                         | 6 hours      | 16 hours      | 7 days    |

## SAFETY PRECAUTIONS

For paint and recommended thinners, see safety sheet and relevant material safety data sheet  
This is a solvent borne paint and care should be taken to avoid inhalation of spray mist of vapor as well as contact between the wet paint and exposed skin or eyes

- Avoid at all times inhalation or aerosol spray-mist
- Harmful by inhalation and in contact with skin
- Highly flammable liquid and vapor
- Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment

## STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations

## DISCLAIMER

The information given on this sheet is the best of our knowledge and accuracy at the time of issuing. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise, and the suitability of the material for the use contemplated is the sole responsibility of the buyer. The information contained on this data sheet is subject to modification at any time due to our policy of modification and product development.