

### PRODUCT

Epoxy Finishing - WRAS, UK, approved product.

### PROPERTIES

- ❖ Semigloss to Eggshell Finish.
- ❖ Protective & higher degree of non-permeable properties.
- ❖ Excellent toughness & adhesion to substrate.
- ❖ Excellent resistant to water.

### TYPICAL USES

- ❖ Pipe lines.
- ❖ Marine & Industrial atmosphere.
- ❖ Chemical Plants, Oil Refineries.
- ❖ Pharmaceuticals, Fertilizer Plants, Paper Mills.
- ❖ Food Processing Units etc.

### SURFACE PREPARATION

Degrease and blast clean to SA 2½ grade minimum of Swedish specification SIS-05-5900-1967. Surface profile should not exceed 65 microns.

If blast cleaning is not possible, follow manual / mechanical cleaning to St<sub>2</sub> or St<sub>3</sub> grade minimum.

Surface should be clean, dry, free from oil, grease, salt and other surface contaminants before applying EDELPOXY FN TM 142 on suitable sound primer.

### STORAGE LIFE

Upto 9 months so long as the material stored in a sealed container.

### PRECAUTIONS

Not to be applied when the temperature is above 50°C and relative humidity rises above 90%.

Mixed paint should be used off within stipulated pot life.

For proper curing of film, ambient temperature should not be lower than 10°C and adequate ventilation should be provided during application.

The information given in this data sheet is true to the best of our knowledge, observed while tested in ideal condition in our laboratory.

### **TYPE**

Two pack system.

### **MIXING RATIO**

Base : Hardener = 3 : 1 / Vol.

### **POT LIFE**

4 to 6 hours after mixing base & hardener.

### **METHOD OF APPLICATION**

Brush / Roller / Spray.

( Airless Spray recommended for uniform and high film build ).

### **NOTES ON AIRLESS SPRAY**

Tip range : 15 - 21 thou.

Total output fluid pressure : 1500 - 2500 p.s.i. ( 106 - 176 kg / cm<sup>2</sup> ).

### **RECOMMENDED D.F.T. / COAT**

50 ± 10 microns.

### **CORRESPONDING W.F.T. / COAT**

100 - 150 microns.

### **THEORETICAL SPREADING RATE**

10.0 - 6.7 m<sup>2</sup> / ltr. / coat.

### **SOLID VOLUME**

40% approx.

### **DRYING TIME**

Surface dry : 4 hrs.

Hard dry : 16 hrs.

Full cure : 7 days.

### **FINISH**

Semi gloss to eggshell.

### **COLOUR**

Blue, Green, Red Brown, Bright Red & other selected shades.

### **COVERAGE WITH LOSS FACTOR**

i) 20% : 8.0 - 5.4 m<sup>2</sup> / ltr. / coat

ii) 30% : 7.0 - 4.7 m<sup>2</sup> / ltr. / coat

iii) 40% : 6.0 - 4.0 m<sup>2</sup> / ltr. / coat

### **INTERVAL BEFORE OVERCOATING**

Minimum : 24 hrs.

Maximum : 7 days.

### **FLASH POINT**

Above 20°C.

### **SHELF LIFE**

Nine months from the date of manufacture for an airtight & properly sealed container.

### **THINNER**

May be used PCC Epoxy Thinner, if necessary. ( P.T.O )

### GENERAL INFORMATION

- A). Drying time and overcoating time will vary with (a) film thickness (b) humidity (c) temperature (d) ventilation and natural or artificial air movement. The ventilation is essential specially in potable situations.
- B). It is also to be noted that hard dry time is arbitrary and does not mean complete evaporation of solvent and it is imperative that the solvents are completely evaporated.
- C). (a). The WRAS, UK, Approval No.0811531 ( Factory ) (b). Satisfies BS 3416, Type II, Potable Water.

### NOTE

For adverse and drastic climatic and corrosive atmospheric conditions, suitable anticorrosive and protective primer or primer surfacer is to be coated before application of EDELPOXY FN TM 142.



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