

PRODUCT

A solvent free Highbuild Epoxy coating - two component. WRAS, UK, approved product.

PROPERTIES

A high performance two component coating is designed as a highbuild impervious internal lining for pipes and can also be used as an external protective coating where abrasion resistance is required.

- Excellent resistance to abrasion and mechanical damage.
- Excellent adhesion on properly prepared surfaces.
- Excellent erosion resistance for immersion in aqueous slurries.

TYPICAL USES

It is a solvent free coating has been specially developed for long term protection of steel, concrete, drinking water pipelines, storage tank, process tanks / vessels and other water retaining structures and related steel work immersed or in a contact with potable water.

SURFACE PREPARATION

Steel Surfaces

Should be abrasive blast cleaned to a minimum standard SA 2.5 of Swedish Specification SIS - 05 - 5900 - 1967.

Concrete Surface

The laitance which may be present on freshly laid surface must be removed and properly cleaned, washed and slightly abraded surface is required. The surface should also be free from dirt, dust, oil, moisture etc. prior to coating.

HEALTH & SAFETY

- a) This is 100% solvent free.
- b) Provide adequate ventilation during operation.
- c) Contact with the skin should be avoided.

SAFETY PRECAUTIONS

Please see Safety, Health & Environment data sheet.

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

TYPE

Two pack system.

MIXING RATIO

Base : Activator = 2 : 1 (by volume).

Stir the contents of the base & continue stirring and gradually add the entire activator and continue till a homogenous mix is obtained.

POT LIFE

40 minutes @ 30°C.

COLOUR

Light Grey, Light Blue and Red.

APPLICATION

By Brush, Roller & Hot airless spray. Minimum temperature for application should be above 10°C. Do not apply when the relative humidity exceeds 90% or when the surface to be coated is less than 3°C above the dew point.

Hot Airless Spray : Both the base and activator should be heated so that the temperature at the tip is in between 38°C and 65°C dependent on the method of application and the equipment being used. Orifice tip size and fan width will vary dependent on thickness to deposited and the structure of the articles to be coated, however, orifice size normally be the range of 17-23 thou, with a tip pressure of upto 4000 psi.

Brush & Roller : Good quality brush / roller should be used for this method of application for uniform even coating thickness & best results are achieved when material and substrate temperature are above 10°C.

DRY FILM THICKNESS

400 - 500 microns per coat.

THEORETICAL COVERAGE

2.5 - 2.0 m² / ltr. / coat.

COVERAGE WITH LOSS FACTOR

- i) 20% : 2.0 - 1.6 m² / ltr. / coat.
- ii) 30% : 1.8 - 1.4 m² / ltr. / coat.
- iii) 40% : 1.5 - 1.2 m² / ltr. / coat.

PHYSICAL CONSTANTS

Drying at 30°C.

Touch dry : 2 hours.

Hard dry : 6 hours.

Full cure : 7 days.

Total solids content.

By volume (average) : 100%.

Specific Gravity (mixed paint-average): 1.51 ± 3%.

PACKAGING

4 ltr., 20 ltr., 200 ltr., in dual pack.

SHELF LIFE

12 months from the date of manufacture for an unopened airtight container.

SAFETY PRECAUTIONS

Please see Health & Safety Data Sheet.

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). WRAS, UK, Approval No : 1002511 (Factory). (b). Satisfies BS 3416 Type II, suitable for potable water as per BS 6920 test.

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 SL 151.

P C CHANDA & COMPANY (P) LIMITED

RAVI AUTO HOUSE

103, PARK STREET, KOLKATA 700 016.INDIA.

PHONE : +91(033) 2227-2525, 2227-2526

FAX : +91(033) 2227-2528

e-mail : chandapaints@vsnl.net