

### MONNELI EPOSSITAR 70

*Coal Tar Epoxy Coating*

#### Product Description

A two component polyamide epoxy modified with low temperature coal tar pitch. The product produces, once cured, a tough, flexible, chemical and impact resistant film.

#### Uses

EPOSSITAR 70 is used as follows:

- As an anti-corrosive coating, suitable for industrial atmosphere, immersion in salty and alkaline solutions, manholes, and for concrete sewerage pipes
- As a tank lining in crude oil and water ballast tanks, cofferdams, void spaces etc.
- As a protective barrier coating on permanently submerged surfaces such as ship hulls, offshore structure, sheet piling, concrete or asbestos cement, sewerage pipes, foundation walls & slumps

#### Advantages

- Self-priming
- Economical and easy to apply
- Excellent anti corrosive ability
- Wide range of applications
- Low temperature curing
- Heavy duty structural coating
- Easily applied by roller, brush or spray
- Exceptional resistance to impact, thermal shock and abrasion

#### Instructions for Use

##### Surface Preparation

All surfaces must be dry, smooth, clean, sound, uncontaminated, and free from dust or loose material. Concrete surfaces must be fully cured and laitance must be removed by any suitable method.

For old concrete, all contamination must be removed and a sound clean substrate should be exposed, mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum.

Cracks should be reinforced with fibre mesh and must then be treated with epoxy mortar. Contact Colmef Technical Department for recommended products.

##### Mixing

The contents of the component A (resin) should be stirred thoroughly to disperse any loose settlement. The entire contents of component B (hardener) should then be added to the resin container and mixed thoroughly using a low speed electric drill (200 – 300 rpm) fitted with a suitable paddle, scrape the sides and bottom of the container and rotate the mixer throughout the mixing container to ensure thorough mixing and homogeneity of the mix.

##### Application

After mixing, the product is ready for brush or airless spray application. 5-10% SOLVENTE 10 may be added for airless spray application. Use nozzles of 0.21"-0.025" and working pressure of 140-160 bar, for brush or roller add 5% volume SOLVENTE 10 only if needed.

The hardening time can vary sensitively according to environmental conditions and the type of support and, therefore the time of coating can vary sensitively according to environmental conditions and the type of support.

##### Cleaning

Tools and equipment should be cleaned with SOLVENTE 10 immediately after use. Hardened material should be removed mechanically.

Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

## Storage

Store generally in dry covered place with a temperature between +5°C–+35°C and relative humidity less than 70%. In these conditions, the expected shelf life is 12 months from production date.

## Consumption

6-6.5 m<sup>2</sup>/Liter at 100 microns

## Packaging

EPOSSITAR 70 is supplied as 20 Liter Kits

## Recommendations

- EPOSSITAR 70 should not be applied over existing coatings.
- For application in hot weather, it is strongly recommend to shade the working area and to keep the equipment used cool.
- Application should not be undertaken if the temperature is below+ 5°C, nor when the prevailing relative humidity exceeds 90%.
- The color of the coated surface will change to brown/red if cured in a high humidity environment.

## Technical Data

Properties	Results
Colour	Black
Component A Density (ASTM D1475-97) Non volatile content (ASTMD 2369)	1.49 kg/L 80.0%
Component B Density (ASTM D1475-97) Non volatile content (ASTMD 2369)	0.98 kg/L 75.0%
Mix density at 25°C	1.4kg/L
Volume solids	70.0%
Pot life at 25°C	3 hours
Recommended film thickness (DFT)	150 – 300 microns
Drying & recoating times at 100 mic. (25°C, 65%) RH touch dry	2 hours
Minimum recoating time at 25°C	24 hours while tacky
Hard dry	24 hours
Cured	7 days
Flashpoint	55°C
Temperature of application	from +5°C to +35°C
Water permeability	nil

All values are subject to 5-10 % tolerance

## Health & Safety

Keep the product away from sources of ignition. During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment. Avoid contact with skin, eyes and inhalation of vapour. Ensure proper ventilation at working place.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

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