

EAMICOAT EP 150

Abrasion & Chemical Resistant Epoxy Resin Coating

Product Description

EAMICOAT EP 150 is a two components, solvent free, high build, chemical resistant, hard wearing protective epoxy coating. It is designed to impart a tile like gloss finish virtually on any building surface and most of the masonry surfaces. The cured film provides a hard, durable abrasion & chemical resistance properties. EAMICOAT EP150 is available in various standard colours. Special colours could be supplied upon request.

Typical Applications

EAMICOATE EP150 has very good wear and abrasion resistance, high build up coating with high degree of chemical resistance for:

- Canning factories.
- Food processing areas.
- Kitchens and Warehouses.
- Public buildings.
- Lavatories shower stalls.
- Bottling plants
- Industrial areas.
- Wall boards.
- Cement plaster.
- Metal surfaces.

Product Features

- Solvent-free.
- Excellent adhesion to most materials.
- Provides high wear & abrasion resistance.
- Reduce maintenance time.
- Completely washable even with normal soap and detergent solutions.
- Durable.
- Good chemical resistance to most common reagents.
- Specially formulated to be suitable for the Middle East climate conditions.

Guide for Application Surface Preparation

All surfaces shall be sound, dry and free from oil, grease, loosely adhering particles or any other contamination.

Surface should be free from scale and rust and sandblasted to Sa 2½. The concrete age should be at least 21 days old with moisture content less than 5%. EAMICOAT EP 150 could be used directly without a primer. EAMIPRIME EP3 is compatible to be used as a primer coat when recommended. (See separate Data Sheet).

Technical Properties

Appearance

Clear, or pigmented in six standard colours (or any colour upon request)

Specific Gravity

1.3

Volume Solids

100 %

Pot Life

70 minutes at 20°C/ 40 minutes at 30°C.

Touch to dry

8 hour at 20°C.

Full Cure

7 days at 20 °C

Working Temperature

+ 5°C (minimum)

Dry Film Thickness

Approximately 150 microns per coat.

Recoat Time

12 - 24 hours at 20°C.

Bond Strength to Concrete (dry)

3 N/mm² depending on the quality of concrete.

Chemical Resistance

Visual inspection showed no effect when samples were immersed in the most common chemicals for 360 days.

Acids

Sulphuric Acid, 50 %

Excellent

Nitric Acid, 25 %

Excellent

Acetic Acid, 10 %

Excellent

Lactic Acid, 10 %

Excellent

Alkalis

Sodium Hydroxide, 50 %

Excellent

Solvents

Petrol, oil, kerosene, 50%

Excellent

Skydrol

Good

Others

Bleach

5 % Excellent

Hydrochloric Acid 20 %

Excellent

Phosphoric Acid 50 %

Excellent

Citric Acid 10%

Excellent

Ammonia solution 10 %

Excellent

Butanol

Good

Saturated Sugar

Excellent

EAMICOAT EP 150

Mixing

Stir both Component A (Resin) and Component B well before use. Pour all the amount of the component B to the container of Component A, mix thoroughly till a uniform color and consistency is achieved. Slow speed electric drill fitted with a mixing paddle can be used.

Application

Apply the first coat of the mixed material to the prepared surface using stiff brush, roller or spray (airless with pressure ratio 1:40). Apply the second coat perpendicular to the first coat after (12 - 24) hours at 20°C with the same procedures

Cleaning

Clean all tools and equipment immediately after use with SOLVENT No. 2.

Coverage

Approximately 5 m² /kg.

Packaging

EAMICOAT EP 150 is supplied in two component 5 kg pack.

Shelf Life

One year if stored properly in its original well closed container.

Storage

EAMICOAT EP150 should be stored at room temperature in a dry warehouse away from extreme temperatures.

Health and Safety

- Epoxy Resins contain irritants, especially to the skin, eyes .
- Persons handling these materials shall use appropriate protective clothing, including rubber or plastic gloves.
- If the epoxy resin has contact the skin, it should be removed immediately with a dry cloth or paper towel, and the areas of contact washed thoroughly with soap and water.

Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied. This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it. Max liability is limited to substituting the same quality of material.

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