

EAMIFLOOR EPS

High Build, Chemical & Abrasion Resistant Floor Coating

Product Description

EAMIFLOOR EPS is a two components, high build, solvent based, epoxy resin and an amin curing agents specially designed to be applied on Concrete and mortar surfaces to provide a continuous protection against chemical attack. It is supplied as a pre-weighed pack, ready to use and to apply by brush, roller or airless spray.

Typical Applications

EAMIFLOOR EPS is used as a protective coating for concrete floors & walls to provide continuous protection and high resistance to chemical attack and abrasion in:

- Showrooms.
- Kitchens.
- Soft drinks production.
- Bottling plants.
- Dairies.
- Garages & workshops.
- Production areas.
- Chemical production areas.
- Laboratories.

Product Features

- Easy to mix and to apply.
- Attractive, easy to clean
- High build and durable.
- Excellent adhesion to concrete, masonry. And most common surfaces.
- Excellent wear and abrasion resistance.
- Excellent resistance to a wide range of industrial chemicals.
- Wide selection of colors.

Standards

EAMIFLOOR EPS is specially formulated to comply with all the requirements of both EN 13813: "Screed Materials and Floor Screed – Properties and Requirements" and EN 1504 Part 2: "Products and Systems for the Protection and Repair of Concrete Structures" – "Definition, Requirements, Quality Control and Evaluation of Conformity" - Part 2: "Surface Protection Systems of Concrete."

Guide for Application Surface Preparation

All surfaces should be sound, clean, free from dust, oil & grease and all the contamination that will affect the bond between the coat and the substrate. The concrete age should be (21 - 28) days at least.

Technical Properties

Appearance**Specific Gravity****Pot Life****Time Between Two Coats****Solid Content****Dry Film Thickness (2 Coats)****Chemical Resistance**

EAMIFLOOR EPS is available in six standard colors or any color on request.

1.2 @ 20°C (varies with colors).

hours @20°C and 2.5hours @30°C.

(4 – 6) hours @20°C and (3 – 5) hours @30°C.

75 - 85%

280 - 350 microns.

Samples were immersed in the most common chemicals reagents with different concentrations @ 30°C for one year and the visual inspection showed no effect:

Hydrochloric Acid	50%	Excellent	Sulphuric Acid,	50%	Excellent
Citric Acid	10%	Excellent	Sodium Hydroxide,	50%	Excellent
Kerosene, Petrol, Oil		Excellent	Bleaching, concentrated		Excellent
Nitric Acid,	25%	Excellent	Phosphoric Acid,	50%	Excellent
Acetic Acid,	10%	Excellent	Ammonia solution,	10%	Excellent
Saturated Sugar		Excellent	Saturated Sugar		Excellent
Phosphoric Acid,	50%	Excellent	Acetic Acid,	10%	Excellent
Ammonia solution,	10%	Excellent			

For more details, consult the Technical Services of EAMIC TRETOL.

EAMIFLOOR EPS

Priming

The porous surfaces should be primed with EAMIPRIME EP3. (Review separate data sheet). Steel surfaces should be grit blasted in accordance with DIN 55,928 Part 4: Sa 2½ and primed with EAMICOAT EP ZR . (Review separate data sheet). In case of EAMIFLOOR EPS, clear priming is not required

Mixing

Stir well both components (component A, component B). Pour the component B into the component A and mix the material thoroughly for 3 minutes till a homogeneous consistency is achieved.

Application

Apply the mixed material to the prepared surface using paint brush, roller or spray equipment. The normal film thickness is (130-150) micron.

Cleaning

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

Packaging

EAMIFLOOR EPS is supplied in 5 kg packs.

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 .

Coverage

The coverage will be influenced by the conditions of the substrate and method of application, is approximately 6m²/kg per coat.

Shelf Life

One year when stored properly in its original sealed package

Storage

EAMIFLOOR EPS should be stored in ordinary temperature away from any source of heat or naked flames

Health and Safety

- Epoxy Resins contain irritants, especially to the skin, eyes and the respiratory system.
- Persons handling these materials should use appropriate protective clothing, including rubber or plastic gloves.
- If the epoxy resin should contact the skin, it should be removed immediately and the area of contact should be washed thoroughly with soap and water.

EAMIC TRETOL

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