

EPOCOAT 805

SOLVENTLESS EPOXY TOP COAT PAINT

PRODUCT DEFINITION

Twin component, solventless, epoxy resin based top coat paint .

AREAS OF USE

It is a solventless epoxy based paint that has high mechanical strength and abrasion resistance, is easy to clean and can be used on vertical surfaces of factories, assembly workshops, warehouses, aerodromes, stores, parking areas, food facilities, water cisterns, hospitals, chemical and pharmaceutical industries, power plants, units where sanitary is desired, plaster applied surfaces and all industrial areas.

PRODUCT SPECIFICATIONS

Type

TS EN 1504-2/ April, 2008 Principle 5 (PR): 5,1 Physical Resistance / Surface

Improving Coating Application (C)

RAL colors

Glossy

100

Color

Appearance

Solid Matter by Weight, %

Density

1,60 g/cm³

Usage Rate

0,300-0,500 kg/m²

Packaging

17 kg A component + 3 kg B component: Total 20 kg

Fire Point

>25 °C

Application Methods

Brush, Roller, Airless Paint Gun

Mixture Life

30 minutes / 25 °C

Shelf Life

1 year

Waiting Time Between Coats

12 hours / 25°C

Drying Time

12 hours / 25°C

Mechanical Strength

7 days

Shore D Solidity

80 (7 days/ 25°C)

Fire Reaction Class

C

Equipment Cleaning

Epoxy Thinner

SURFACE PREPARATION

Application surfaces must be cleaned of oil, dust and dirt.

Free particles on the surface, cement grout on concrete surfaces and other particles which prevent adhesion shall be cleaned.

MIXTURE PREPARATION

Being careful with the mixture ratios of A and B components, it must be mixed for at least 3-4 minutes with a low speed mixer until a homogenous mixture is obtained. **Ready for application after mixing.**

COATING SYSTEM

Concrete surface to be applied must be primed with S 110 or S 170 primer. S 120 primer must be used on humid surfaces. 12 hours after primer application, application can be performed. Epoxy brush or roller must be used for brush or roller applications. If required, the product itself can be used as first coat primer. For applications on plaster, Water Based Acrylic Primer must be used as transition primer before using. **In situations where high UV resistance is required, application of**

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0,150 - 0,200 kg of PU 925 protective coating per square meter is recommended.

APPLICATION CONDITIONS

Surfaces must have enough strength. Concrete must be pressure resistant to minimum 25 N/mm² and have minimum 1,5-2 N/mm² tensile strength.

Surface must be clean, proper and dry, and humidity must not exceed 5%; if humidity rate is higher, Epoxy Primer for Humid Surfaces must be used.

Before top coating, primer curing must be completed.

Application must be avoided in temperatures below 10°C and very humid ambiances.

Mixture rates must be paid attention.

Products recommended for use under :

- PRIMER S 110-11 Multi-Purpose Epoxy Primer
- PRIMER S 120 Epoxy Primer for 100% Humid Surfaces
- PRIMER S 170 Epoxy Adhesion Bridge, Impregnating Primer with Low Viscosity

SAFETY

This product is for professional use. Pay attention to the safety warnings on the package before use, see the product's Material Safety Know-How Index when needed. Do not inhale, avoid contact with skin and eyes, do not swallow, use proper work safety equipment. Take safety precautions for environment protection as well as fire and explosion danger. Apply in well ventilated areas.

TRANSPORTATION and STORAGE

The product must be stored in 5-35°C.

The product must not be subjected to direct sun light.

Opened product must be stored in its own package, with its lid firmly sealed.

NOTE:

GRADA reserves the right to make improvements/revisions on the product and this technical document in time. This Know-How Index renders invalid the Know-How Indexes published before, and is valid for 5 years. The user must ensure that the technical document they have is of the latest version, and contact our company when needed for querying about the validity of the document. Proper use of the product, validity of the application conditions and methods are under the user's responsibility. GRADA Epoxy Paint declines any warranty claims regarding the consequences, work accidents, direct or indirect damages or harm caused by not using the product as recommended. Packaging values stated above are the nominal values in the formulae standardized by GRADA. Under normal production conditions, there may be deviations in a level estimated in international standards.