

FLOOR S 245
EPOXY BASED TOP COATING WITH
ORANGE PEEL DESIGN

Ref No: TBF / S 245 / 01.01.01.2014

PRODUCT DEFINITION

Twin component, solventless, epoxy resin based top coating with orange peel design.

AREAS OF USE

It is a solventless epoxy coating that has high mechanical strength and abrasion resistance, is unstainable (tea, coffee, ketchup, salt water, detergent water, engine oil, hydraulic oil, 20% caustic solution, 10% acetic acid solution) and easy to clean with orange peel design and can be used on parking areas, stores, factories, assembly workshops, warehouses, aerodromes, food facilities, hospitals, chemical and pharmaceutical industries, power plants, units where sanitary desired and all industrial grounds.

PRODUCT SPECIFICATIONS

Color
Appearance
Solid Matter by Weight, %
Density
Compressive Strength
Bending Strength
Adhesion Strength

RAL colors
Semi Matte
98
1,70 g/cm³
50 N/mm²
30 N/mm²
>2 N/mm²

Usage Rate

Base Coat Primer: 0,400-0,500 kg / m²

Packaging

Textured Top Coat Primer: 0,400-0,600 kg/ m²

Fire Point

18 kg A component + 2 kg B component: Total 20 kg
>25 °C

Mixture Rate

9 / 1

Application Methods

Base Coat Primer: Roller, Trowel

Textured Top Coat Primer: Squeegee, Trowel (for spreading on surface)

Mixture Life

Epoxy Roller (for polishing), Textured Roller (for textured design)

Shelf Life

25-30 minutes / 25 °C

Waiting Time Between Coats

1 year

Drying Time

12 hours / 25°C

Mechanical Strength

12 hours / 25°C

Shore D Solidity

7 days

Equipment Cleaning

75 (7 days/ 25°C)

Epoxy Thinner

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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

Base Coat 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.**

Textured Top Coat Mixture Preparation: By adding 50 gr (1 Lt by volume) texture thickening agent on 1 bucket (18 kg) of A component, it must be mixed for at least 1-2 minutes with a low speed mixer until a homogenous mixture is obtained. By adding 1 gallon (2 kg) of B component on that mixture, 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.**

Note: For a different texture design, texture thickening agent can be used with an amount being below or above the recommended amount of 50 gr (1 Lt by volume).

COATING SYSTEM

After completing primer application, S 245 is applied as base coat using roller or trowel and with 0,400-0,500 kg / m² usage; after 12 hours/25°C, top coat application is performed. Top coat is applied using a toothless trowel or squeegee with 0,400-0,600 kg/ m² usage, spread until desired thickness is achieved, polished with epoxy roller and designed with textured roller. To achieve a defect-free coating, textured roller must be applied in the same direction. Transverse applications must be avoided. **In situations where high UV resistance is required, application of 0,100 – 0,150 kg/m² of PU 125 protective coating 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, Primer S 120 epoxy primer must be used. Application must be avoided in temperatures below 10°C and very humid ambiances. Mixture rates must be paid attention.

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Products recommended for use under :

- S 110 Multi-Purpose Epoxy Primer
- S 115 Solventless Epoxy Primer
- S 120 Epoxy Primer for 100% Humid Surfaces
- S 170 Low Viscosity Epoxy Impregnating Primer

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.

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