

U28 – NEUCEFLOOR 250 EP

Self-Smoothing Epoxy Resin for Floors with Colored Quartz

DESCRIPTION:

NEUCEFLOOR 250 EP is a two-component epoxy ligand of low viscosity, and colourless. Has excellent properties such as a good hardness, wear resistance and a high mechanical resistance, being appropriated to work alone or with colored silica. Resists to splashes and small spills of a wide range of chemicals products.

FEATURES:

- Good resistance to intense traffic.
- Good chemical and mechanical resistance.
- Good hardness and long lasting.
- Colourless.
- Easy to apply.
- Allows cleaning with water, detergents and cleaning products.

SPECIFICATIONS:

- **Basic solution Density**..... 1.150 ± 0,10
- **Basic solution Viscosity** 60-80 ku (25°C)
- **Color**.....Colourless
- **Solids in volume** Approx. 100%
- **Mixture Lifetime** 15-30 min
- **Waiting time between coats**.....Min. 12 hours
Max. 48 hours
- **Hardening Passable**..... 24-48 hours
 - Light charges**..... 3-4 days
 - Heavy charges** 7-8 days
- **VOC (volatile organic compound)**....^{a)} EU limit value set for this product cat. (A/j) 500 g/l (2010). This product contains a maximum of 138 g/l VOC.

RECOMMENDED USE:

Given its characteristics, it is used as self-smoothing resin for concrete floors.

It is appropriated for layer basis of colored quartz systems. This product finds its field of action in floors of the food industry, industrial warehouses, manufacturing floors, commercial establishments, laboratories, hospitals, garages and even houses; generally on concrete floors where a resistant and washable finish is pretended.

MIXTURE PREPARATION:

Proportion of the mixture in weight 4:1

- NEUCEFLOOR 250 EP.....2 Parts

- NEUCEFLOOR 250 EP1 Part
- HARDENER

The two components have to be intensively mixed, respecting the indicated proportions, with the use of a mechanical mean of slow rotation (300-400 rpm) for 3-5 minutes.

Whenever silica have to be mixed, after mixing the comp. A with the comp. B, add the silica and continue to mix until to obtain a homogeneous product.

To pay attention to the mixture lifetime which can vary between 15 to 30 minutes depending on the environment temperature.

SURFACE PREPARATION:

Types of surfaces such as concrete or cement mortar have to be properly prepared, sealed and regulated. Therefore, to apply NEUCEFLOOR SEALER 110EP, as specified in the technical file (U21).

APPLICATION SCHEMES:

Self-Smoothing Coating:

The mixed material has to be poured into the floor in strips and spread uniformly with a trowel, putty knife or notched blade, in the desired thickness with a consumption of 0.4-0.5 kg/m² per layer according to the base absorption.

5 to 10 minutes after the application, to apply the spiked roller over the entire area to remove formed air bubbles.

In the case of a second coat being applied, to sprinkle the first in fresh, with charges with a granulometry between 150-350 µm (≈ 1 kg/ m²). To remove the charge (sweep and vacuum) in excess, not glued, before to apply the second coat.

Self-Smoothing Mortar Colored Silica's (between 2 to 4 mm):

To mix 1 part in weight of NEUCEFLOOR 250 EP with 0.5 parts of silica charges with a granulometry between 150-350 µm. Approximate consumption of 1.6-1.8 kg/ m²/mm of the mixture.

To apply with a 2mm notched putty knife, sprinkle humid with colored quartz until saturation. Consumption of colored quartz 2.5 - 3.5 kg/ m².

After drying, the excess of quartz has to be swept and the surface should be without dust preferably using a vacuum cleaner, and then to apply a layer of sealing NEUCEFLOOR 250 EP.

APPLICATION CONDITIONS:

Temperature Minimum: 10°C

Maximum: 45°C

To prevent humidity condensation during the product application, drying and cure, the surface temperature has to be at least 3°C above the dew point.

Maximum relative humidity of the air: 80%

CLEAN-UP: With “EPOXY DILUENT” or “CELLULOSE DILUENT”, right after the application.

WARNING: In interior works, such as production pavilions and warehouses, measures concerning the environment ventilation should be taken. To use working clothes, protection gloves and glasses, sense the product may cause skin irritations. Keep out of reach of children. For more information, please read our product **Safety Data Sheet**.

STORAGE AND PACKAGING: Packages should be kept properly closed, in good environmental conditions of temperature and humidity, and spend the product on the chronological order of supply. Use it, with preference, up to 1 year after its manufactured date, but it can also be used after this date, as long as a good homogenization of the product can be verified.

It is supplied in the following quantities:

	7.5 kg	30 kg
NEUCEFLOOR 250 EP.....	5.0 kg.....	20 kg
NEUCEFLOOR 250 EP.....	2.5.kg.....	10 kg
HARDENER		

Note a) The value of the VOC previously mentioned concerns ready-to-use products, according to the technical specifications that we recommend. We do not take any responsibility for other mixtures made to the product. We draw special attention to all our agents for the responsibility that they take by not respecting what the Directive 2004/42/CE establishes.