

## U22 – NEUCEFLOOR 210 EP Self-levelling Epoxy Coating for Pavements

**DESCRIPTION:** NEUCEFLOOR 210 EP is a self-levelling epoxy coating for pavements, pigmented with low viscosity, of two components, with a good hardness, great resistance to wear and high mechanical resistance, being appropriated for the painting of concrete or cement mortar floors. Resists to splashes and small spills of a wide range of chemical products. Provides flat and non-slip finishes.

**FEATURES:**

- Good chemical and mechanical resistance.
- Good hardness and long lasting.
- Good resistance to intense traffic.
- Waterproof.
- Easy to apply.
- It allows cleaning with water, detergents and other cleaning products.

**SPECIFICATIONS:**

- **Basic solution Density**.....1,560 ± 0,10
- **Basic solution Viscosity** .....89-121ku (25°C)
- **Color**.....Grey and others appropriated for pavements
- **Mixture Lifetime** .....15-30 min
- **Waiting time between coats**.....Min. 12 hours  
Max.48 hours
- **Final Cure** **Passable (people)**..... 2-3 days  
**Passable for people and Light charges** ..... 4-5 days  
**No Restrictions**..... 7-8 days
- **VOC (volatile organic compound)**....<sup>a)</sup> EU limit value set for this product cat. (A/j) 500 g/l (2010). This product contains a maximum of 106 g/l VOC.

**RECOMMENDED USE:** Given its special chemical and mechanical resistance properties, this product is mainly used in the painting and protection of concrete floors in the food industry, industrial warehouses, factory pavements, commercial establishments, laboratories, hospitals, garages and even houses; in general, in concrete pavements where a resistant and washable finish is pretended. In addition to providing a smooth and non-slip finish, it serves with schemes bases with natural and coloured silica.

**MIXTURE  
PREPARATION:**

**MIXTURE PROPORTION in weight 4:1**

NEUCEFLOOR 210 EP.....4 Parts

NEUCEFLOOR  
210 EP HARDENER .....1 Part

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 60 minutes depending on the environment temperature.

**SURFACE  
PREPARATION:**

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

**APPLICATION:**

The mixed material has to be poured in the pavement by strips and uniformly spread with a trowel, putty knife or a toothed blade, in the desired thickness.

Concerning self-levelling coating, 5 to 10 minutes after the application, to apply a spiked roller throughout all the area to eliminate formed air bubbles.

**Self-levelling Mortar (thicknesses between 1 to 3 mm)**

To mix 1 part in weight of NEUCEFLOOR 210 EP with 0.5-1 parts of silica charges with a granulometry between 150-350  $\mu\text{m}$ .

Approximate consumption of 1.6-1.8  $\text{Kg/m}^2/\text{mm}$  of the mixture. To make the mixture of the 3 components and obtain a correct homogenization, to proceed as previously indicated.

**Non-slip Coating (thicknesses between 3 to 4 mm)**

To mix 1 part in weight of NEUCEFLOOR 210 EP with 0.55 parts of silica charges with a granulometry between 150-350  $\mu\text{m}$ , sprinkle on humid silica with granulometry of 150-350  $\mu\text{m}$  (fine rough) or with a granulometry superior to 200-500  $\mu\text{m}$  (thick rough) until saturation. Silica consumption of 2.5-3.5  $\text{Kg/m}^2$ .

Approximate consumption of 1.8-2.0  $\text{Kg/m}^2/\text{mm}$  of the mixture. After drying, the sand excess has to be swept and the surface has to be dust cleaned, ideally with a vacuum cleaner.

To apply 1 coat of finishing with the mixture of NEUCEFLOOR 210 EP, preferably with a short nap roller, uniformly; it can be diluted at 5% with Floor Diluent, in order to make the application easier.

Approximate consumption of the finish sealer 0.5-0.7 Kg/m<sup>2</sup> of the mixture.

Before the application of the finish coat (sealing), it is recommended to slightly sand the rough surface in order to get a good finish.

### **Thick Flat Painting**

To apply two coats of NEUCEFLOOR 210 EP mixture, with a short nap roller diluted at 5% with Floor Diluent. Approximate consumption of 0.3-0.5 Kg/m<sup>2</sup>/coat of the mixture.

On surfaces not properly levelled, a nice flat paint finish can't be obtained.

## **PAVEMENTS PROTECTION:**

In order to extend Neucefloor 210 EP lasting, providing it a higher resistance to risk and wear, we recommend to use one of the following schemes:

### **Protection with Waxes:**

To apply 2 to 3 crossed coats of acrylic wax, with the objective to preserve and increase the pavement lasting, providing it a higher resistance to wear.

### **Protection with Varnish:**

The pavement can also be sealed with a Polyurethane varnish to increase its resistance to wear. As a solution we recommend the application of Pavineuce 820 PU.

## **APPLICATION CONDITIONS:**

Minimum temperature: 10°C

Maximum: 45°C

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

Maximum relative humidity: 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 further 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:

	<b>5 kg</b>	<b>20 kg</b>
NEUCEFLOOR 210 EP.....	4.0 kg.....	16.0 kg
 NEUCEFLOOR HARDENER		
210 EP.....	1.0 kg.....	4.0 kg

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.