

U21 – NEUCEFLOOR SEALER 110 EP Epoxy Primer and Mortar for Floors

DESCRIPTION: **NEUCEFLOOR SEALER 110 EP** is a ligand of two low viscosity epoxy components. It has good features, that is to say, a good agglutinating power for inconsistent surfaces, good filling, good penetration capacity on the surface preparation of old and new concrete, or cement mortar for the application of the coating or self-smoothing mortars for floors.

- FEATURES:**
- Very low viscosity.
 - High penetration capacity.
 - Quick hardening.
 - Good impermeability to carbonic anhydride.

- SPECIFICATIONS:**
- **Basic solution Density**..... 1.240 ± 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 properties it is used as a regulator and filling primer on the self-smoothing epoxy coating for floors, NEUCEFLOOR. It is also indicated as a ligand to obtain the mortars protection and repair.

Mixture proportion in weight:

- MIXTURE PREPARATION:**
- NEUCEFLOOR 110 EP.....3 Parts
NEUCEFLOOR ENDURECEDOR
- SEALER 110 EP.....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 30 minutes depending on the environment temperature.

SURFACE PREPARATION:

Friable and contaminated surfaces, with “slurry” concrete, old paints, oils, grease, and others, have to be mechanically prepared using a sandblasting, or, if the contamination is deeper, other cleaning techniques can be used. The surface has to be levelled, slightly rough, consolidated, free from disaggregating and dry particles (the humidity of the prepared pavement should not exceed 4%).

To take special care that the concrete has at least 28 days of cure.

APPLICATION SCHEMES:

Primer / Sealer:

To apply with a roller or a flat putty knife with a consumption of 0.4-0.5 Kg/m² per layer, according to the based absorption.

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

With exposed pavements to the weather, in the exterior, a 2nd coat has to be applied, being the 1st coat well scrubbed on the surface (to keep in mind that the finish will have to be polyurethane or acrylic).

If you plane to exceed 48 hours before recoating the primer, sprinkle in fresh with the granulometry charges previously mentioned.

Mortar of Regularization:

To apply with a notched putty knife.

To mix 1 part in weight of the mixture NEUCEFLOOR SEALER 110 EP with 0.5-1 parts of silica charges with a granulometry between 150-350 µm, this regarding the mortar regularization being finer or thicker.

Approximate consumption of 0.5-0.8 Kg/m²/mm.

To make the mixture of the 3 components and obtain a correct homogenization, to proceed as previously indicated.

Repair of cracks and joints:

To apply with a putty knife, a trowel or a spoon trowel.

To mix 1 part in weight of the mixture of NEUCEFLOOR SEALER 110 EP with 5-8 parts of silica charges with a granulometry between 150-350 µm.

Approximate consumption of 1.6-2.0 Kg/m²/mm.

To make the mixture of the 3 components and obtain a correct

homogenization, to proceed as previously indicated.

**APPLICATION
CONDITIONS:**

Minimum temperature: 10°C
Maximum: 45°C

To prevent humidity condensation during the application, drying and cure of the product, the surface temperature 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 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:

	4 kg	16 kg
NEUCEFLOOR SEALER 110 EP.....	3.0 kg.....	12 kg
HARDENER NEUCEFLOOR SEALER 110 EP.....	1.0 kg.....	4 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.