

U35 – NEUCEFLOOR 500 PU

Self-Smoothing Elastic Polyurethane Coating for Exterior/Interior Floors

DESCRIPTION: NEUCEFLOOR 500 PU is a self-smoothing aliphatic polyurethane coating, two-components, with pigments, for floors, free of solvents, with low emissions, what hardens forming an elastic material, with a good hardness, resistance to wearing and a high mechanical resistance. Thanks to its aliphatic nature, Neucefloor 500 PU is stable with colours and resistant to UV rays.

- FEATURES:**
- Resistance to UV Rays.
 - Permanent elastic layer (bridge of cracks).
 - High level of Comfort when stepped.
 - Reduction of the reflected noise.
 - Good chemical and mechanical resistance.
 - Low odor, low VOC emissions..
 - Boa resistência ao tráfego intenso.
 - Waterproof.
 - Easy to apply.
 - Allows cleaning with water, detergents and cleaning products.

- SPECIFICATIONS:**
- **Basic solution Density**.....1,370 ± 0,10
 - **Basic solution Viscosity**91-123ku (25°C)
 - **Colour**.....Grey and others appropriated to floors
 - **Mixture Lifetime** 15-30 min
 - **Waiting time between coats**.....Min. 12 hours
Max.48 hours
 - **Final cure** **Passable (people)**..... 2-3 days
People traffic and light charges 4-5 days
No restrictions 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 55 g/l VOC

RECOMMENDED USE:

Given its special properties of elasticity and comfort, this product is mainly used in the painting and protection of decorative floors in commercial establishments and warehouses, laboratories, hospitals, schools, kindergartens, homes, restaurants, nursing homes, terraces, etc ; generally speaking on concrete floors where a resistant and washable finish is pretended.

MIXTURE PREPARATION:

Mixture proportion in weight:

NEUCEFLOOR 500 PU..... 2,7
NEUCEFLOOR 500 PU HARDENER 1,0

Before the mixture, the components A and B should be at a temperature between +15°C and +25°C.

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.

To keep in mind that the mixture lifetime may vary from 15 to 40 minutes depending on the environment temperature.

SURFACE PREPARATION:

Friable and contaminated surfaces, with “slurry” concrete, old paints, oils, grease, and other contaminants, have to be mechanically prepared using a sandblasting, or, if the contamination is deeper, other cleaning techniques can be used. Types of surfaces such as concrete or cement mortar have to be properly levelled, slightly rough, consolidated, free from disaggregating and dry particles (the humidity of the prepared pavement should not exceed 4%). Therefore, to proceed to the application of NEUCEFLOOR SEALER 110EP, as specified in the technical file (U21).

To pay a special attention to the concrete which should have at least 28 days of cure.

APPLICATION:

Self-Smoothing System (thicknesses of 2 to 4mm)

The mixed material has to be poured into the floor strips and spread uniformly with a notched trowel, then to apply the spiked roller throughout the area to eliminate formed air bubbles. Approximate consumption of 1.2-1.5 Kg/m²/mm of mixture

APPLICATION CONDITIONS:

The material time of cure can be affected by the room temperature, the material and the surface. Temperatures, chemical reactions will be lower, the working and using time are longer, as well as the cure process. High temperatures speed up the chemical reactions and as a consequence, the deadlines are reduced.

Temperature Minimum: 10°C

Maximum: 30°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 of the air: 75%

CLEAN-UP: With “POLYURETHANE 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:

| | | |
|--------------------------------------|---------------|-------------|
| | 6,8 kg | 26kg |
| NEUCEFLOOR 500 PU..... | 5 kg | 19kg |
| NEUCEFLOOR 500 PU HARDENENER..... | 1,8 kg | 7kg |

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.