

Technical Data Sheet

EPOPRIMER 241 (renaming of Epolux primer 113)

Product Description

EPOPRIMER 241 is a transparent, 2 components, solvent-free epoxy primer. It is classified as SR-B2,0-AR0,5-IR4, according to the EN 13813 standard.

Intended Use

Is used for priming surfaces of cement-based floors which will be covered with epoxy paints or EPOXY FLOOR systems, as well as a compound for plastering material used on cracks and smoothing substrate surfaces. It offers great toughness, high durability against abrasion and chemicals (alkalis, dilute acids, water, mineral oils and several solvents). It is suitable for industrial areas, small industries, warehouses, department stores, hotels, garages, high traffic areas, cars repair shops, etc.

Τεχνικές Πληροφορίες

Gloss Level (GU 60 °)	Gloss
Density	1,05 gr/ml
Mixing ratio pre weight	100A:55B
Pot Life	About 30 min in 23°C
Substrate Temperature	+12°C to +35°C
Ambient Temperature	+12°C to +35°C
Substrate Humidity Content	<4%
Relative Atmospheric Humidity	<70%
Overcoating	After 20h in 23°C
Complete Hardness	7 days
Hardness (Shore D, ASTM 2240)	80
Compressive Strength (EN ISO 6272)	IR4
Adhesion Strength (EN 13892-8)	≥ 3 N/mm ² (concrete breaking)
Colours	Transparent, yellowish

Substrate Preparation

Surface must be dry, clean, stable, free from materials that prevent adhesion, such as dust, loose materials, grease etc. and protected against rising humidity.

The following specifications must be kept:

Concrete quality: at least C20/25

Floor mortar Quality: cement content at 350 Kg/m³

Aging: at least 28 days

Substrate Humidity content < 4%

Depending on the nature of the substrate, appropriate pre-treatment should be performed, such as brushing, grinding, sandblasting, water blasting, shot blasting, etc. Then, the surface should be cleaned from dust with a high suction vacuum cleaner.

Application

Primer mixing

Components A and B must be packed in dispensers with a predetermined mixing ratio. Component A is stirred for one minute before mixing. Then, Component B is fully added to Component A. Mixing both components lasts about 3 minutes using a low-speed drill (300rpm). It is important that mixing is applied to the walls and the bottom of the dispenser as well, for component B to be evenly distributed.

Application

Depending on the use:

For priming

The mixture is applied in a single layer using a roller or a brush.

EPOPRIMER 241 Consumption (A+B): 0.200-0.300 kg/m².

In case that the final layer is about to be applied after 24 hours from the primer's application, trampling of the surface using quartz sand M32 is required to ensure the quality of adhesion before the primer's hardening.

After the primer's hardening, non-attached grains of sand must be removed with a high-absorbency vacuum cleaner.

Quartz sand Consumption: 1.2 Kg/m².

For plastering

Firstly, the surface must be primed with EPOPRIMER 241.

Consumption: 200-300 g/m².



Plastering compound preparation: 1 part of EPOPRIMER 241, Quartz sand M32:2-3 parts. Mixing the sand and the primer well is important. Plastering material is applied on the surface in one layer.

Plastering material Consumption: about 1.8 kg/m²/mm.

Cleaning equipment

Exactly after application using 809 solvent.

Packaging

10Kg (A 6,45 and 3,55Kg B), 3Kg (A 1,95 and 1,05Kg B) in predetermined mixing ratio.

Storage

12 months in the initial sealed package, in area protected against humidity and solar radiation. Recommended storage temperature from +5°C to +35°C.

Remarks

- Low temperature or humidity may prolong hardening time, whereas high temperature may reduce it.
- Application must be done at least 4 weeks after the construction of the new mortar floor.
- Exposing the layering to ultraviolet radiation may cause the phenomena of chalking and fading of colors over time.
- Immediate application of the mixture after mixing is recommended in order to avoid high temperatures and its polymerization in the dispenser.
- Substrate must be at least 3°C over dew point in order to reduce the risk of condensation or the creation of bubbles in the surface's finishing.

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult TETRALUX Safety Data Sheets and follow all local or national safety regulations.