



Technical Data Sheet

EPOLUX SL 542

Product Description

EPOLUX SL 542 is a 2 components and solvent-free epoxy paint for floors.

Intended Use

EPOLUX SL 542 is used for coating floors with high demands for mechanical or chemical resistance. 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.

Technical Data

Gloss level (GU 60 °)	Gloss (>80 GU)
Density	1,35 gr/ml
Mixing Ratio per weight	100A:35B
Pot Life	about 50 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%
Hardening Time (23°C)	about 10 h in 23°C
Overcoating	after 24 h in 23°C
Walkability	after 24 h in 23°C
Complete Hardness	7 days
Colors	RAL 7035, RAL 7040 (grey) RAL 3009 (maroon) RAL 1015 (beige) Other colors available after order



Substrate Preparation

The 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

On cementious surface priming must be applicated using EPOPRIMER SOL 242 in one layer by roller or brush.

Consumption: 150 g/m².

After priming application plastering must be administered locally with a mix of EPOLUX SL 542 and quartz sand M-32, in proportions of 1:2 to 1:3 per weight.

EPOLUX SL 542 application must be done within 24 hours from the time primer is administered in one or two layers.

Consumption: 200-270 g/m² (thickness of final layer 150-200µm).

On stable, non-absorbent surface, apply EPOLUX SL 542 directly in one or two layers.

Consumption: 200-270 g/m² (thickness of final layer 150-200µm).

Cleaning equipment

Exactly after application using 806 solvent.

Packaging

10kg (A+B) (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.