

SL INDUSTRIAL



DESCRIPTION

Epoxy-based, bi-component self-leveler.

CHARACTERISTICS

SL INDUSTRIAL is an epoxy-based resin, leveling product, and free of solvents. It offers the following advantages:

- Excellent mechanical resistance.
- Very good adhesion with the area where it is applied
- High resistance to moisture.
- Excellent leveling qualities.
- No corrosive effect.

It is classified as SR - B2,0 - AR0,5 - IR4 according to EN 13813

RECOMMENDATIONS FOR USE

SL INDUSTRIAL is used as a leveling layer in cement-based surfaces, to give them high mechanical and chemical resistance. It is suitable for application in industrial areas, storehouses, parking lots, supermarkets, laboratories, hotels, garages, petrol stations and in areas with heavy traffic. It is also suitable to be in direct contact with food products, according to W - 347, ISO 8467 legislation.

TECHNICAL DATA

Form: Component A Paste
Component B Leng

Colour: According RAL

Raporti pezierjesr: 5A : 1B

Density Komp A: 1.65 ± 0.10 Kg/l

Density Komp B: 1.05 ± 0.10 Kg/l

Open time: About 1 hour

Adhesion strength (EN 13892-8): 4.5 N/mm^2

Compressive strength(EN 13892-2):

• After 4 hours:	22 N/mm^2
• After 24 hours:	47 N/mm^2
• After 7 days:	79 N/mm^2
• After 28 days:	135 N/mm^2

Flexural Strength (EN 13892-2):

• After 4 hours:	14 N/mm^2
• After 24 hours:	39 N/mm^2
• After 7 days:	62 N/mm^2
• After 28 days:	81 N/mm^2

Abrasion resistance:
• After 28 days: $\leq 40 \mu\text{g}$

Shrinkage (EN 13872):
• After 28 days: max 0.25 mm/m

SURFACE PREPARATION

Surface where the product will be applied should be:

- Stable and dry, or slightly moist
- Clean, free of materials that prevent adhesion, such as dust, loose particles, fats, etc.
- Protected against moisture.

PRIMING

You should apply RESIN SLP primer on the surface. Consumption 200-300 g/m². Once the primer is dried, existing damages, such as cracks and holes should be filled using SL INDUSTRIAL (A+B). SL INDUSTRIAL should be applied 24 hours after the application of primer.

PRODUCT PREPARATION

Components A and B are packed in predetermined mixing proportions. First, component A should be stirred very well in its container. Then, the entire quantity of component B should be added to component A. The mixing the two components should continue for about 30 seconds, with a low-speed mixer (300 rpm). It is important to stir well near the sides and bottom of the bucket, in order to achieve a uniform spreading of the solidifier. Stirring is done through a low-speed mixer, and it continues until the mixture becomes completely uniform (about 3 minutes).

APPLICATION

Depending on the final surface, there are two application manners:

- a) Smooth final surface: The epoxy mixture is poured on the floor in a thickness of 2–3 mm and is opened by using a notched screed. Consumption of SL INDUSTRIAL (A+B) is 0.6 Kg/m² for mm of thickness. Consumption of quartz sand is 1.2 Kg/mm² for mm of thickness. The leveling layer should be run onto with a barbed roller so as to remove the air that is left inside the layer, thus avoiding empty spaces.
- b) Rough final surface: First, the epoxy mixture is applied in the manner explained in point a) for smooth surfaces. As long as the layer has not solidified yet, you may pour on the product quart sand with granulometry 0 – 0.4 mm or 0.4 – 0.8mm, as you wish. Consumption of quart sand is approximately 3 Kg/m². Once SL INDUSTRIAL has solidified, the unbound portion of sand is removed using a vacuum. In the end, apply a layer of SL INDUSTRIAL with roller.

STORAGE

24 months from manufacture date, if stored in its original and unopened packaging. Protect it from direct exposure to the sun and from frost.

PACKAGING

15Kg / 25 Kg (A+B) plastic buckets

CONSUMPTION

400 – 600 g/m²

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

