

TECHNICAL DATA

CORU SLF 201



PRODUCT DESCRIPTION

CORU SLF 201 is a solvent-free epoxy-based self-leveling floor coating material.

FEATURES

- It is a colorful, easy-to-clean, maintenance-free coating that meets health standards.
- It is easy to apply and can be applied without grouting.
- It is resistant to alkalis, oil, grease and waste.
- Prevents dust formation in reinforced concrete coatings, increases their durability and ensures longevity.
- It is a coating resistant to mechanical impacts and wear and tear that may occur due to friction or chemical effects.
- There is no harm in using it in areas where hygiene is required.
- Its adhesion strength is very high.

AREAS OF USE

- Food, Laboratories,
- Car Services
- Parking lots,
- Chemical and Pharmaceutical Industry
- Production Facilities, Offices,
- shops,
- Business Centers
- Industrial kitchens,
- Animal Farms

APPLICATION

Surface preparation: Mechanical surface preparation (blastrack, rotatiger etc.) should be done. The dust layer formed should be swept with industrial vacuum cleaners, the surface to be applied should be solid, dry and clean. Any dust, oil, paraffin, bitumen and adherence reducing parts that will prevent adhesion to the surface should be cleaned and all loose parts such as mortar, plaster etc. should be cleaned from the surface. Concrete quality should be at least C20/25, 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm², humidity rate should be 4%, and the ground surface temperature should be +8 °C. The success of the application depends on the correct preparation of the ground and the correct use of the material. Abrasion and roughening process is carried out with the method to be selected according to the condition of the surface. The surface is completely cleaned of dust with an industrial vacuum cleaner and made ready for application. After the surface preparation is completed, all surfaces are primed with CORU EP 101 Solvent-free epoxy primer.

Mixing Method: CORU SLF 201 is balanced according to the appropriate mixing amount in two-component packages. (A component: resin, B component: hardener). Ready-to-use material is obtained by mechanically mixing these two components very well. All of the B component is poured into the A component at once and the mixture should be done by selecting a low-speed (300-400 rpm) mixer and a suitable tip until it becomes homogeneous. In order to achieve the same distribution of the hardener, the mixer should be done from the edges of the container where the mixture is located and from the bottom of the package to the end. The two components should be mixed very well together. It is recommended to pour it into another clean container and mix again for 3-4 minutes. Aggregate can be added to CORU SLF 201 on site. This process should be done into the prepared homogeneous resin mixture.

APPLICATION: CORU SLF 201 is applied with a notched trowel or special rubber roller in the desired thickness. The prepared mixture is applied homogeneously to the previously prepared surface with the selected method. Following the application of CORU SLF 201, a spiked roller is applied to the self-level coating to prevent the formation of bubbles in the coating and to ensure its release. If a rough surface is desired; while the applied material is still wet, specially obtained silica sand is sprinkled to cover the entire surface. After the material is completely dry, excess sand is swept away with the help of an industrial broom and CORU TC 302 final coat solvent-free epoxy paint should be applied to the surface.

- Until the material sets, it must be protected against water, rain, external factors and mechanical stresses.
- It should be taken into account that the waiting time may be shortened in hot weather and prolonged in cold weather

TECHNICAL SPECIFICATIONS

DURATION			
	10°C	20°C	30°C
Duration of stay in the container	90 minutes	50 minutes	25 minutes
New coat application time	25-35 seconds	12-18 hours	7-11 hours
Initial hardening time	30 seconds	15 minutes	8 hours
Full hardening	10 days	7 days	5 days
Walking Time	2 days later		
Flexural Strength	7 days	62 N/mm ²	+23 °C
Compressive Strength	7 days	98 N/mm ²	+23 °C
Tensile Strength		4,3±0,3 N/ mm ²	
Shore D Hardness		85 ±3	
Chemical Resistance	Formaldehyde, Potassium Hydroxide, Sodium Hydroxide 30%	Citric Acid 30%	

STORAGE, PACKAGING, CONSUMPTION

- It should be protected from adverse weather conditions.
- It should be stored in a dry, cool, closed environment (+10°C and +25°C).
- The opened and mixed product should be consumed immediately.
- It has a shelf life of 12 months in its unopened packaging, in dry places at a minimum temperature of +5 °C.
- Component A: 16 kg tin - Component B: 4 kg tin
- For light loads: 1 kg/m² (0.7mm)
- Medium Heavy loads: 1.5 kg/m²(min. 1mm)

SAFETY AND WARNINGS

- In applications to be carried out in closed areas, the environment should be well ventilated.
- In cold weather, packages must be stored at least 24 hours and at a minimum temperature of +15°C before application.
- After application, the surface must be protected against water, rain, dew, snow, hail, frost and similar climatic effects until it is completely dry.
- Do not approach with open flame and do not smoke during application.
- Use gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and plenty of water.
- Do not swallow, do not use empty packages to store food, and do not throw them into fire. For professional use only, keep out of reach of children. Users should refer to the latest Material Safety Data Sheets, which include physical, ecological, toxicological and other safety-related data, for information and advice on the safe handling, storage and disposal of chemical products.