

Primer FL1101

Solvent Free 100% Solid Epoxy Primer(2K)

Product Description

Primer FL1101 is a solvent-free epoxy primer with excellent permeability, sealing and base surface reinforcement properties. After coating and curing, it can provide a dense and firmly bonded interface.



Reference dosage

Reference usage is about 0.25 kg/m²~0.35 kg/m².

Ratio of components: A:B=4:1 (mass ratio)

(Note: The above data vary depending on the substrate conditions and are for reference only. The actual usage is closely related to the density and absorbency of the substrate. The dosage of the product should be based on the recommended dosage and adjusted according to the actual situation on site to achieve the ideal performance after construction. Any unreasonable addition or subtraction may affect the quality of the formed interface, sealing performance, bonding performance, etc. The actual dosage depends on the actual situation on site.)

Packing

20kg/set: Part A (Liquid):16kg/pail
Part B(Liquid):4kg/pail

5kg/set:

Part A (Liquid):4kg/pail
Part B (Liquid):1kg/pail

Advantages

- Solvent-free: no pungent smell, environmentally friendly and healthy;
- Quick construction: short waiting time;
- Good interface compatibility: compatible with various epoxy resin products,
- strong interface bonding;
- Good permeability: low viscosity, can be used on dense surfaces;
- Good sealing: can be applied to porous substrates.

Where To Use

The product can be used on: epoxy mortar base, concrete base, cement mortar leveling layer and other base materials; porous high-absorbent base surface; appropriate amount of graded aggregate can be added to prepare mid-coat, leveling layer and repair mortar.

Transportation and storage

- During transportation, please avoid exposure to the sun and rain, keep away from fire sources, avoid collisions, and keep the packaging intact;
- This product should be sealed and stored in a cool, ventilated, dry warehouse, and is strictly prohibited from contacting fire sources;
- Under normal storage and transportation conditions, the ambient temperature is 5°C–35°C, and the storage period is 12 months from the date of production.

Construction technology

- Base Surface Preparation: Prior to application, the substrate must be cleaned and free of standing water, debris, dust, grease, and other contaminants.
- Weighing: Accurately weigh Components A, B, C, and D in clean containers according to the ratio A:B:C = 4.6:0.4:2:3 (by weight).
- Mixing: Thoroughly blend the mixture using mechanical agitation until homogenous.
- Application: First apply via troweling, followed by roller coating.
- Curing: Protect the applied surface from disturbance for 24 hours post-application.

Technical Data Based For Reference

1	Construction temperature	20°C	30°C
2	Construction active time	35 minutes	25 minutes
3	Minimum interval time for next coating	>12 hours	>8 hours
4	Bond strength with concrete	>2.0MPa (concrete failure)	

The above data are measured under standard laboratory conditions and may differ slightly from the actual data on site.

Construction precautions

- Construction temperature and humidity:

When the base surface temperature is lower than 5°C, epoxy flooring cannot be constructed. The construction temperature should not be lower than 5°C, but when it is lower than 10°C, the curing speed and appearance of the product will be seriously affected. When the temperature is higher than 35°C, the curing time of the coating will be greatly shortened. If the temperature exceeds 10°C–35°C, please consult our sales or technical personnel. When the relative humidity of the air is >75% or the base surface temperature is lower than the dew point temperature +3°C, condensation may occur on the coating surface.

- Expansion joints:

The original expansion or expansion joints must be retained, and the joints must be cleaned before sealing with appropriate joint sealants. When applying the primer, be careful not to let the material touch the sealant bonding interface to avoid affecting the bonding performance of the sealant.

- Cleaning:

Immediately clean the tools with solvent after construction. Material leakage can be absorbed with dry sand and other materials and then wiped clean with a rag. The solvent used to clean the tools is flammable. Stay away from open flames and other sources of fire, and smoking is prohibited on site. Keep the container sealed when not in use and away from heat and fire sources.