

Solvent-Free Low Filled Epoxy Primer

Product Definition

It is a solvent-free epoxy-based surface impregnated primer with good penetration properties, resistant to chemicals and high mechanical strength. It fills the capillary pores and improves the strength of concrete grounds and acts as an adhesion bridge for subsequent epoxy coatings or paints. It can be used for preventing the concrete to carry over by itself.

Usage and Consumption

300-1500 gr/m²

Depending on the system solutions, the usage pattern may vary.

Uses

It can be used for preventing the ground to carry over by itself in factories, storages, shopping centers, plants, aircraft hangers, schools, hospitals, pharmaceutical industries, laboratories, parkings, purification plants and the areas on which heavy forklift and corrosive chemicals are used or it can be applied as primer for the subsequent epoxy coatings and self levelings.

Packaging

A 25 kg set of BILIZO EPOXY SEALER consists of Component A in one pail of net 21,5 kg and Component B in one pail of net 3,5 kg,

Technical Data

PROPERTIES	RESULTS	TEST
Density (Mixture)	1.40 – 1.50 gr/cm ³ 20°C	TS EN ISO 2811-1
Solid Material (%)	By weight 100	
	By volume 100	
Mixture Ratio	A/B: 86/14 (by weight)	
Pot Life	30-40 min. /23°C, 200 g.	DIN 16945
Drying Time	Surface dry: 3-4 hr. 23°C	TS 4317
	Dry to touch: 8-10 hr. 23°C	TS 4317
	Complete curing: 7 days 23°C	TS 4317
Tensile Strength (N/mm ²)	40 ~ 44	DIN 53504 TS 1967
Tensile Strain (%)	1.8 – 2.0	DIN 53504 TS 1967
E-Module (N/mm ²)	20 ~ 24	DIN 52371 TS 985
Bending strength (N/mm ²)	0.5	DIN 52371 TS 985

Chemical Strength Table

CHEMICAL	STRENGTH
Sulfuric acid (H ₂ SO ₄) %10 & %20	3_2
Hydrochloric acid (HCl) %10 & %20	3_2
Nitric acid (HNO ₃) %10 & %20	3_2
Acetic acid (CH ₃ COOH) %10	3_2
Acetic acid (CH ₃ COOH) %20	2
Lactic acid (CH ₃ CHOH-COOH) %10	2
Lactic acid (CH ₃ CHOH-COOH) %20	2_1
Formic acid (HCOOH) %10	2
Formic acid (HCOOH) %20	2_1
Xylene	2
Ethyl Alcohol	2
Solvents	2
Chromic acid (H ₂ CrO ₄) %10	2
Sodium hydroxide (NaOH)	3

Application

Weak parts of the application surface should be removed by router, sand blasting or abrasive. If the surface is bright much, specific surface should be increased by roughening with router or sand blasting. If the surface is greasy, it should be fired, dust and dirt should be taken by vacuum. Purified surfaces are impregnated with solventfree epoxy impregnated primer (EFLR-0150LV). EFLR-0650 MVD is mixed with quartz with the ratio of 1:0,5 and applied by trowel. Subsequent epoxy layers could be applied in 24 hours at the latest time.

Storage

The packing of the product must be closed and its label informations must be complete. The expiration date of the product must be followed according to FIFO (First in First Out) rule. The storage conditions must be dry, cool and well ventilated. The product must be stored according to the technical safety informations and legal obligations. . It has a shelf life of 12 months in a close storage without moisture at 15–25 0C, in its original unopened package.

Safety Measures

Please pay attention to the safety signs and warnings on the packet. You should follow the safety and health instructions of the Material Safety Data Sheet (MSDS) that is prepared by certified technical team, according to international standart. Sufficient air-conditioning must be obtained by the time of application. Mask and gloves must be worn. Do not make direct contact or breath the vapour. Keep the product away from open flame resources.