

BILIZO® FLOOR EPOXY W

Solvent Free Superior Mechanical Resistant Epoxy Coating

Product Description

BILIZO® FLOOR EPOXY W is a two component solvent free epoxy coating. High surface hardness, water and chemical resistance, high mechanical strength and ability to be cleaned easily are the specific properties.

Packaging

20 kg set of BILIZO® FLOOR EPOXY W consists of Component A in one pail of net 17 kg and Component B in one pail of net 3 kg.

Uses

It is used as end layer on metal and concrete in factories, shopping centers, plants, schools, hospitals, pharmaceutical industry, laboratories, purification plants and so on plants.

Technical Data

Number of Component	2
Brightness	Bright
Color	White
Density	1.50-1.70 gr/cm ³ TS EN ISO 2811-1
Viscosity	1500-2000 m Pas
Solid Material (%)	By Weight 100 By Volume 100
Shore D	~75- ASTM D 2240, DIN 53505
Application Thinner	Cannot be thinned.
Mixture Ratio	A/B: 85/15 (by weight)
Pot Life	30-40 min. /23°C, 200 g. (DIN 16945)
Application Method	Brush, Roll, Airless sprayer
Consumption	400 gr /m ² (225-250 μ dry film thickness)
Drying Time	Surface dry: 60-90 min. 23°C TS 4317 Dry to touch: 6-8 hr. 23°C TS 4317 Montage dry: 24 hr. 23°C TS 4317 Complete curing: 7 days 23°C TS 4317

CHEMICAL STRENGTH TABLE

<u>CHEMICAL</u>	<u>STRENGTH</u>
Sulfuric acid (H ₂ SO ₄) %10	3_2
Sulfuric acid (H ₂ SO ₄) %20	3_2
Hydrochloric acid (HCl) %10	3_2
Hydrochloric acid (HCl) %20	3_2
Nitric acid (HNO ₃) %10	3
Acetic acid (CH ₃ COOH) %10	2
Xylene	2
Ethyl alcohol	2
Solvent naphta	3
Sodium hydroxide (NaOH) %20	3
Concentrated fruit	Staining
Printing inks	Staining

3- Extra strong

2- Strong

1- Not strong

_ Tendency

Mechanical Resistance

Taber Abrasion Resistance	115 mg 1000 devir	EN 1504-2
Bond Strength	>2,0(1,5)b	EN 1504-2
Impact Resistance Test	Sınıf III	EN 1504-2
Capillary Water Absorption and Permeability	<0,1 kg\m ² . h0,5	EN 1504-2
Shore D	75±5	ASTM D 2240, DIN 53505
Compressive Strength (N/mm ²)	55 ~ 57	DIN 53504 TS 1967

Application

Loose grains and dust should be removed from concrete surfaces. Prepared concrete surface should be applied with solvent free epoxy primer BILIZO® MACRO PRIMER by paying attention to application orders. If there is crack or hole on the surface it should be repaired by using epoxy paste. Paying attention to application orders, primer coated surface should be applied with BILIZO® FLOOR EPOXY W solvent free epoxy end layer as approximately 200-300 µ dry film existing by brush, roll or airless sprayer.

Storage

The packing of the product must be closed and its label information 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 information and legal obligations. . It has a shelf life of 12 months in a close storage without moisture at 15–25 °C, 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 standards. Sufficient air-conditioning must be obtained by the time of application. Mask and gloves must be worn. Do not make direct contact or breathe the vapour. Keep the product away from open flame resources.