



Caustic Resistant Epoxy Coating

Product Description

BILIZO[®] EPOXY FLOOR CR 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[®] EPOXY FLOOR CR consists of Component A in one pail of net 17 kg and Component B in one pail of net 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	~80- 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 /m² (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

CHEMICAL	STRENGTH	
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Sulfuric Acid (H2SO4) 10%	3	
Sulfuric Acid (H2SO4) 20%	3	
Sulfuric Acid (H2SO4) 30%	2	
Hydrochloric Acid (HCL) 10%	3	
Hydrochloric Acid (HCL) 20%	3	
Hydrochloric Acid (HCL) 35%	3_2	
Phosphoric Acid (H3PO4) 15%	3	
Phosphoric Acid (H3PO4) 30%	2	
Phosphoric Acid (H3PO4) 45%	2	
Citric Acid (C6H8O7) 25%	3	
Citric Acid (C6H8O7) 50%	2	
Citric Acid (C6H8O7) 75%	2_1 Matting	
Nitric Acid (HNO3) 10%	3	
Nitric Acid (HNO3) 20%	3	
Nitric Acid (HNO3) 50%	3_2	
Acetic Acid (CH3COOH) 10%	2	
Acetic Acid (CH3COOH) 20%	1 Matting	
Formic Acid (HCOOH) 10%	2_1	
Formic Acid (HCOOH) 20%	1	
Lactic Acid (CH3CHOH-COOH) 15%	3	
Lactic Acid (CH3CHOH-COOH) 30%	2 Matting	
Sodium Hydroxide (NaOH) 10%	3	
Sodium Hydroxide (NaOH) 50%	3	
Ammonia (NH3) 10%	3	
Ammonia (NH3) 20%	3	
Ammonia (NH3) 35%	2	
Xylene	3	
Solvent Nafta	2	
Ethyl Alcohol	2	
Butanol	3	
Oil	3	
Bleach	2 Matting	
Sugar	3	
Urea	3	
White Sprite	3	
Printing ink spotting	Staining	
Spotting Concentrated Juices	Staining	

3- Extra strong

- 2-Strong
- 1- Not strong
- _ Tendency

Mechanical Resistance

Pressure Resistance (N/mm ²)	52 ~ 55	DIN 53504 TS 1967
Tensile Strength (N/mm ²)	18 ~ 20	DIN 53504 TS 1967
Tensile Strength (%)	0,8-1,0	DIN 53504 TS 1967
Bending Resistance (N/mm ²)	24 ~ 26	DIN 52371 TS 985
E-Module (N/mm²)	18 ~ 20	DIN 52371 TS 985
Abrasion Resistance (mg)	~ 35 1	Faber, ASTM D 4060-95



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.

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore