



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 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/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 |
|---|-----------------|
| | |
| Sulfuric acid (H ₂ SO ₄) %10 | 3_2 |
| Sulfuric acid (H ₂ SO ₄) %20 | 3_2 |
| Hydrochloric acid (HCI) %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\m². h0,5 | EN 1504-2 | |
| Shore D | 75±5 | ASTM D 2240, DIN 53505 | |
| Compressive Strength (N/mm²) | 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 airconditioning 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 necessary that you always have to hand the current code of practice.