

BILIZO® **SEAL 625**

Cement and Polymer Dispersive Based, UV Resistant Two Component White Color Flexible Waterproofing Material

Product Description

BILIZO® SEAL 625 is a flexible waterproofing material that can be applied in a positive direction to prevent moisture, leaking and surface water in concrete surfaces with two components based on cement polymer dispersion.

Uses

Inside - outdoor, from direction that water comes in vertical and horizontal

- In terraces, it can be left open under light load
- In foundation isolations, in the direction of the water comes from
- On retaining walls,
- Wet areas such as WC, bathroom, kitchen and balcony,
- In swimming pools,
- In drinking and storage water tanks,
- Where waterproofing and protection against salty water is required,
- Protect concrete surfaces against carbonation and chlorine attacks,

Packaging

Component A 25 kg polyethylene reinforced kraft bag,
Component B in plastic drum net 10 kg.

Consumption

First coat consumption: 1,5 kg / m² mixture
Second coat consumption: 1,5 kg / m² mixture
Third layer consumption: 1,0 kg / m² mixture.

Advantages

- BILIZO® SEAL 625 at a dry thickness of 1 mm provides protection against carbonation equal to a concrete thickness of 80 mm.
- Waterproof, 7 bar pressure water resistant.
- Reduced alkali-silica interaction in concrete top applications.
- It is white in color and resistant to UV rays.
- Resistant to light pedestrian traffic.
- High durability.
- It is resistant to freeze-thaw cycle.
- It is resistant to atmospheric carbon dioxide and chlorine.
- It can be used in drinking water storages.

Technical Data

Component A	Mineral fillers, special cement, polymer
Component B	Copolymer acrylic dispersion
Colour	White
Adhesion Strength:	≥ 1,5 N/mm ²
Resistance to Water Pressure	7 bar (positive) as 2 mm dry film thickness
Capillary Water Absorption	Max. 0,1kg/m ² h ^{0,5}
Surface Temperature	+5°C +25°C
Service Temperature	-20°C +80°C
Pot Life of Fresh Mixture	2 hours
Ready to use (Mechanical Strength):	2 days
Water Vapor Permeability	Class I
Ready to Use (Waterproof)	7 days
Coating	3 days (Liquid or ceramic)

Application

Surface Preparation

Surface should be dry, clean, free of any defects and load-tolerant. Any oil, wax, grease, paint, bitumen, water repellent, easily detachable and loose parts and dust on the surface which may impair adhesion force should be cleaned off and removed by floor planer. Iron and wooden wedges must be removed from the surface. Any water leakages, non-uniform surface and corner edges must be repaired with suitable prepare mortar, minimum radius of 4 cm.

Before application, surface should be wetted (not allowed to be pond). If the Coating Material loses its water immediately and gets matt that shows the surface does not get wet sufficiently or dry fastly. At such as hot weathers or in case of material is exposed to wind, water added up to 10% of B Component to the mixture prepared for first layer.

Mixing Procedure

B component of BILIZO® SEAL 625 stills in to a clean mixing container. While A component is added slowly, mixture should be mixed with 400-600 rev/min mixing drill. Components A and B should be stirred for minimum 3 minutes until you have a homogenous mixture and should be allowed to rest for 2 minutes. Then stir again for 1 min. to make the mixture ready to use.

Usage:

BILIZO® SEAL 625 Comp. A (powder) 25 kg
BILIZO® SEAL 625 Comp. B (liquid) 8 kg
Mixture density: 1,8 kg / lt

Consumption:

First coat: 1,5 kg/m²
Second coat: 1,5 kg/m²
Third coat: 1,0 kg/m²

Surface Application

Apply BILIZO® SEAL 625 mixture in two or three layer with brush. Direction of brush application should be perpendicular to each other. Waiting time between coatings depends on conditions. Soak concrete surfaces with clean water. Moisture must be soaked visibly, but no accumulation of water. Apply with a short bristle brush or roller. If necessary, it can be plastered with trowel. For 6-10 mm trench, pore, etc. using less mixing liquid for the desired consistency is obtained. Where multiple coatings are required, apply the second coat after drying the previous coating to achieve the desired thickness. Generally, to re-coat, at least 1 mm thickness of each layer is recommended. Spray application method is recommended for large areas.

The Impact of Water Pressure

BILIZO® SEAL 625 provides a protective, water-impermeable coating. BILIZO® SEAL 625 has a strength of up to 7 bars (70 meters water pressure). The grade of water resistance under pressure of BILIZO® SEAL 625 depends on the thickness of the coating. These application rates are subject to constant water pressure conditions. The pressure application rate is 3 Bar, 4 kg / m², 7 Bar 6 kg / m². To obtain 1 mm. dry thickness, 1.8 kg/m² consumption is required.

Storage

Under proper storage conditions, 1 year from date of production. BILIZO® SEAL 625 Component B freezes at temperatures below 0 ° C. Opened packages should be stored tightly closed in appropriate storage conditions. It should be stored in original unopened package, in cool and dry environment, protected from freezing. In short-term storage, a maximum of 3 pallets must be placed on top of each other and shipped with the first-in first-out system. When storing for long periods, pallets should not be placed on top of each other.

Safety Measures

Application areas should be ventilated. Hands and eyes must be protected with gloves and protective glasses. Case of eye or skin contact, rinse with plenty of water for the material and consult a doctor immediately. Adequate ventilation is required during the application. Keep away from children. Please refer to the Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.

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.