



# **BILIZO<sup>®</sup> SEAL 610**

## **Cement and Polymer Dispersion Based, Two Component, Applied to Both Negative and Positive Direction Waterproofing Material**

### **Product Description**

BILIZO<sup>®</sup> SEAL 610 ; is a cement and polymer dispersion based waterproofing material that can apply on both negative and positive directions.

The coating cures to form a water impermeable membrane with excellent adhesion to the substrate.

BILIZO<sup>®</sup> SEAL 610 ; blocks the surface moisture , leaks and surface water perfectly.

### **Uses**

- Waterproofing of interior and exterior areas , from the vertical and horizontal direction of water.
- In terraces (with the protect requirement),
- In soft water storage basins in textile industry (PH:3-7),
- Air conditioning stores,
- Waterproofing of olympic swimming pools,
- Waterproofing of water tanks,
- Waterproofing of elevator pits.
- The wall and floor coverings in cold air storages,
- Waterproofing of wet areas (kitchen, bathroom etc.),
- As a part of basic waterproofing system, in areas which sensitive to vibration and slight settlement,
- For protecting concrete from carbonation, water and de-icing salts,
- Waterproofing of foundation wall,
- Waterproofing of hydroelectric power plants.

### **Packaging**

BILIZO<sup>®</sup> SEAL 610 consists of Component A in reinforced polyethylene paper bag net 25 kg and Component B in plastic drum net 10 kg.

### **Technical Data**

<b>BILIZO<sup>®</sup> SEAL 610 Komponent A:</b>	Special Cement, Mineral Fillers, Polymer
<b>BILIZO<sup>®</sup> SEAL 610 Komponent B:</b>	Liquid Polymer Dispersion
<b>Colour:</b>	Grey
<b>Adhesion Strength:</b>	1,0 N/mm <sup>2</sup> (28 days)
<b>Resistance to Pressure Water :</b>	1 bar negative,1,5 bar positive
<b>Water Vapor Permeability:</b>	985
<b>Capillary Water Absorption</b>	0,10 gr (4 hours later)
<b>Freeze-Thaw Resistance</b>	No deformation after 50 cycles
<b>Surface Temperature:</b>	+5°C - +25C
<b>Service Temperature:</b>	+20°C - +80°C
<b>Relative air humidity:</b>	Max %70-80
<b>Dew point:</b>	Pay attention to the dew point! Dew point must be at least +3 °C in order to reduce the risk of condensation and blooming in finished surface and uncured coating surface temperature.
<b>Pot Life of Fresh Mixture:</b>	45 min

### **Consumption**

BILIZO<sup>®</sup> SEAL 610 must be applied 1,50kg/m<sup>2</sup>as the first layer, 1,20kg / m<sup>2</sup> as the second layer, 1,20 kg/ m<sup>2</sup> as the third layer.

### **Advantages**

- It can be easy prepared and applied,
- It has a long working time.
- It can be applied with roller or spraying machine,
- It is effective on both negative and positive directions. ( 1 bar negative – 1,5 bar positive)
- It has a high durability.
- It has high adhesion resistance. It works with the surface it adhered
- It is watervapor and air permeable.
- It has resistant to frost.
- It has skrink and crack resistance.
- It creates perfect impermeable layer under ceramic and alum without being affected by deformation dua to high adhesion performance and an excellent flexibility,
- When it applied 2 mm thickness until 0,50 mm, with waterproofing mesh it prevents cracks until 1,20 mm.
- It is suitable to light pedestrian traffic.
- It has high resistance to CO<sub>2</sub> ions.
- It is used in potable water reservoirs.

<b>Ready to Use( impermeable to water)</b>	7 days
<b>Coating (Liquid or ceramic):</b>	3 days
<b>Wait Time Between Coats</b>	+ 10°C'de 12-15 saat + 20°C'de 6-8 saat + 30°C'de 3-5 saat

**PS:** The informations above are given according to +23 °C and 50% humidity. High temperatures shorten the curing time and low temperatures increase the curing time.

## Application

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### Surface Preparation

Surface should be dry, clean, free of any defects. Any oil, rust, paraffin, paint, bitumen remmands easily detachable and loose parts and dust should be cleaned on the surface. 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 immediantly and gets matt that shows the surface does not get wett 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<sup>®</sup> SEAL 610 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 3-5 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.

A component of BILIZO<sup>®</sup> SEAL 610 (25 kg ), B component of BILIZO<sup>®</sup> SEAL 610 (10 kg) should be mixed and the density of this mixture is 1,44 kg/lit.

### Surface Application

Apply BILIZO<sup>®</sup> SEAL 610 mixture on water saturated and moist appearance surface by blush. This material should be applied in two or three layer. Direction of brush application should be perpendicular to each other. Waiting time between coatings must be 3-5 hours. The second layer must be applied when the first layer achieve the surficient hardness.

**Note:** BILIZO<sup>®</sup> SEAL 610 becomes impermeable to water after 7 days. This material should be avoided from sunlight, rain, frost and wind. Surface temperature should be between +5°C -+30°C

**WARNING:** After 36-48 hours the material is applied, air temperature should be above 8°C , it should not be rainy or snowy and should be applied with considering the possibility of raining.

## Storage

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Store the product in a cool, dry place. Material also must be protected from frost.

Short-term storing ; max. 3 pallets should be superposed.

Long-term storing ; pallets should not be superposed.

## Safety Measures

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Application areas should be vebtilated. During the application the clothes, gloves, masks, glasses must be wore according to OCCUPATIONAL HEALTH RULES. Case of eye or skin contact, rinse with plenty of water for the material and consult a doctor immediately. Avoid entering the application area with any food or drink. Keep away from children.