



# BILIZO® SEAL 608

## Cement Based, Capillary Effective , Crystallized Waterproofing Material

### Product Description

BILIZO® SEAL 608 ; is a cement based, single component, crystallized waterproofing material that is applied on both new and old structures to negative and positive direction.

### Uses

- Waterproofing of interior and exterior areas
- Waterproofing of vertical and horizontal applications
- Waterproofing of basement floors
- Waterproofing of foundation wall
- Waterproofing of tunnels
- Waterproofing of Semi-Olympic Swimming Pools
- Waterproofing of elevator shafts
- Waterproofing of retaining walls

### Packaging

BILIZO® SEAL 608 consist of reinforced polyethylene paper bag net 20 kg .

### Consumption

BILIZO® SEAL 608 must be applied 1 kg/m<sup>2</sup> as the first layer, 1 kg / m<sup>2</sup> as the second layer.

Depending on the system solutions, the usage and amount may change.

### Advantages

- Mixed with only water.
- It can be easy prepared and applied,
- It has a long working time.
- It is effective on both negative and positive directions.
- It fills the capillary gaps with permanent crystals and make waterproofing.
- It protects the concrete and fittings from the corrosive effects of water.
- It has water vapor and air permeability.
- It can be used on drinking water tanks.
- The formed crystals do not be resolved, removed from the surface.
- The formed crystals do not get old.
- The active material of the product reacts with the water inside the concrete and crystallized in the capillary gaps. This provides waterproofing.
- This is the most economical solution on the negative dimension.

### Technical Data

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|---------------------------------------|--|
| <b>BILIZO® SEAL 608 :</b>             | Cement, Mineral Fillers, special additions   |
| <b>Colour:</b>                        | Grey   |
| <b>Pressure Strength:</b>             | 15N/mm <sup>2</sup> (28 days)  |
| <b>Resistance to Pressure Water :</b> | 4 bar negative, 10 bar positive  |
| <b>Surface Temperature:</b>           | +8°C -+30°C  |
| <b>Ambient Temperature:</b>           | +8°C -+30°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>Service Temperature:</b>           | +20°C -+80°C   |
| <b>Pot Life of Fresh Mixture:</b>     | 20 min   |
| <b>Wait time between coats</b>        | + 10°C 12-15 hours<br>+ 20°C 6-8 hours<br>+ 30°C 3-5 hours   |

**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.

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## Application

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### Surface Preparation

Surface should be dry, clean, free of any defects. Any oil, rust, paraffin, paint, bitumen remnants 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). Before application the surface must be seen wet.

### Strenght

Product strength is 1 year from date of production at proper storage conditions. Opened packages should be tightly closed and kept under appropriate storage conditions.

### Mixing Procedure

Contrastly to other mixture method, first BILIZO® SEAL 608 is put in a case. While mixture water is added, begin to stir at the same time. Product should be mixed with 400-600 rev/min mixing drill for 3-5 min until the mixture become homogeneous and should be allowed to rest for 2 minutes. Then stir again for 1 min. to make the mixture ready to use.

For 1 kg BILIZO® SEAL 608 , 0,3 lt water is used. According to full package of BILIZO® SEAL 608 , 6 lt water is enough. The density of the mixture is 2 kg/lt.

### Surface Application

Apply BILIZO® SEAL 608 mixture on water saturated and moist appearance surface by blush. This material should be applied in two layer. Waiting time between coatings must be 3-5 hours. The second layer must be applied when the first layer achieve the sufficient hardness.

**Note:** do not apply cure material after the application and keep the surface wet for 5-7 days. This application will provide crystallized happened. Water tanks should be filled after 24 hours later, crystallized and penetration depth should also be increased. Product will achieve the final waterproofing conditions after 7 days. Product should be keep away from direct sunlight and wind.

**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 ventilated. 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.

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