



BILIZO® SEAL 609

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

Product Description

BILIZO® SEAL 609 ; 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® SEAL 609 ; blocks the surface moisture , leaks and surface water perfectly.

Uses

- Waterproofing of interior and exterior areas , from the vertical and horizontal direction of water.
- Waterproofing of wet areas (Kitchen , bathroom etc.)
- Waterproofing of foundation and sustaining wall,
- Waterproofing of water tanks and tunnels.
- Waterproofing of Semi-Olimpic Swimming Pools
- Waterproofing of elevator pits.
- Waterproofing of flower plantation.
- Waterproofing of nutrient storage
- Waterproofing of reinforced concrete pipes.
- Waterproofing of fish growth ponds.
- Waterproofing of hydroelectric power plants.

Packaging

BILIZO® SEAL 609 consist of Component A in reinforced polyethylene paper bag net 25 kg and Component B in plastic drum net 2 kg.

Technical Data

BILIZO® SEAL 609 Komponent A:	Special Cement, Mineral Fillers, Polymer
BILIZO® SEAL 609 Komponent B:	Liquid Polymer Dispersion
Colour:	Grey
Adhesion Strength:	1,50N/mm ² (28 days)
Resistance to Pressure Water :	4 bar negative,10 bar positive
Water Vapor Permeability	86-120
Surface Temperature:	+8°C -+30°C
Ambient Temperature:	+8°C -+30°C
Relative air humidity:	Max %70-80
Dew point:	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.
Service Temperature:	+20°C -+80°C
Pot Life of Fresh Mixture:	45 min
Ready to Use(impermeable to water)	7 days
Coating (Liquid or ceramic):	3 days
Wait Time Between Coats	+ 10°C 12-15 hours + 20°C 6-8 hours + 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.

Consumption

BILIZO® SEAL 609 must be applied 1,50kg/m²as the first layer, 1,20kg / m² as the second layer, 1,20 kg/ m² 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. (4 bar negative – 10 bar positive)
- It has a high durability
- It has high adhesion resistance. It works with the surface it adhered
- It has capillary effect
- It is watervapor and air permeable.
- It has resistant to frost.
- It has skrink and crack resistance.
- It is semi-elastic and watertight,

Application

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). 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.

Strength

Product strength is 1 year from date of production at proper storage conditions. BILIZO[®] SEAL 609 Component B, freezes at the temperatures below 0°C. Opened packages should be tightly closed and kept under appropriate storage conditions.

Mixing Procedure

B component of BILIZO[®] SEAL 609 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[®] SEAL 609 (25 kg), B component of BILIZO[®] SEAL 609 (2 kg) and 5-5,5 kg water still and the density of this mixture is 1,98 kg/ltr

Surface Application

Apply BILIZO[®] SEAL 609 mixture on water saturated and moist appearance surface by brush. 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 sufficient hardness.

Note: BILIZO[®] SEAL 609 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

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

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.

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.