

CEMENT AND ACRYLIC BASED, TWO-COMPONENT, FULLY ELASTIC, WATERPROOFING MATERIAL

Cement and acrylic based, two-component, fully-elastic waterproofing material, resistant to positive water pressure.



RESISTANT
TO MOISTURE
AND HUMIDITY

TECHNICAL SPECIFICATIONS

Chemical Structure	Component A: Cement-based, Polymer-added powder- Component B: Elastomeric resin
Density	Component A: ~1,45 g/cm (±0,1) Component B: ~1,06 g/cm (±0,1)
Mortar Density	1,70 g/mm (±0,1)
Mixture Ratio	10 kg liquid / 20 kg powder
Pot Life	30 minutes
Bond Strength	≥0,5 N/mm ² (EN 14891)
Crack Bridging (-20 °C)	≥1,00 mm
Crack Bridging (+20 °C)	≥1,50 mm
Capillary Water Absorption	≤0,10 kg (m ² .h ^{0,5}) (EN 1062-3)
Pressured Water Resistance	5 bar positive (DIN 1048)
Full Drying Time	Minimum 48 hours
Mechanical Strength Time	3 days
Water Impermeability Time	7 days
Coating Time	3 days
Consumption	3,00-3,50 kg/m ² (for 2 mm application thickness)

* All technical values are calculated at +23°C and 50% relative humidity.
Changes in temperature and humidity change the technical values.

ADVANTAGES

- Easy to apply.
- Provides seamless and jointless waterproofing.
- High bonding feature.
- Fully elastic structure.
- It's impermeable.
- It is water vapor permeable and allows concrete to breathe.
- Non-toxic, suitable for drinking water and water tanks.
- Resistant against thermal shocks.

APPLICATION AREAS

Used as waterproofing material:

- Indoors and outdoors,
- Horizontal and vertical applications,
- On mineral-based surfaces,
- Under ceramic applications of terraces, balconies, water tanks, swimming pools and wet areas
- In waterproofing of foundation, curtain, retaining walls and basement.

SURFACE AND APPLICATION CONDITIONS

- The ambient temperature should be between +5°C and +30°C.
- Avoid application in humid, rainy and high temperature weather conditions.
- Do not apply on surfaces that are frozen, melting or in risk of rain or frost within 24 hours.

SURFACE PREPARATION

- The application surface must be clean, moist, smooth and solid. Dust, dirt, paint, oil and free particles must be removed from the surface.
- If there are static cracks or damage on the surface that may affect the application, they should be repaired with BULDRRepair repair mortar 24 hours before application.
- Dynamic (moving) cracks should be sealed with BULDSeal HP 35 or BULDSeal PU 40 sealants.
- Steep corners should be chamfered appropriately.

PREPARATION OF MIXTURE

- 10 kg of liquid component B is placed in a clean bowl. Then 20 kg of powder component A is slowly added to component B and mixed with a low speed mixer (400-600 rpm) until a homogeneous and lump-free mixture is obtained.
- Allow the mixture to rest for 2-3 minutes, mix it again for a short while and make it ready for use.
- The powder component A must always be added to the liquid component B.

APPLICATION DETAILS

- The mixed material is applied to the surface in at least 2 coats with a brush, roller brush or trowel. The application of each layer should be perpendicular to the previous one.
- The waiting time between the coats is at least 6 and at most 12 hours. In case of waiting more than 12 hours for the application of the next coat, the surface should be moisturized again before application.
- It is recommended to use BULDBrace RM 12 Waterproofing Mesh between two coats. The use of mesh increases the reinforcing feature of the system.
- The mixture in the container should be consumed within 30 minutes and the mortar should not be used if this period is exceeded.
- Do not reuse mortar that is hardening or completely hardened by adding water to it.

WARNINGS

- Do not apply in weather conditions below +5°C, above +30°C, in rainy and/or windy weather.
- Avoid application in areas that are frozen, in areas with the risk of freezing within 24 hours, in conditions that may prevent the application or that may damage the surface after application.
- No water is added externally.
- Protect against impact and puncture until covered.

CONSUMPTION

- 3,00-3,50 kg/m² (for 2 mm application thickness)

EQUIPMENT CLEANING

- Equipment should be cleaned with clean water immediately after use. Cured material can only be cleaned by mechanical means.

STORAGE AND SHELF LIFE

- Should be stored in its unopened original packaging, in a closed, moisture-free, dry environment, protected from frost. Products should not be overloaded in a way to damage their packaging.
- Shelf life under appropriate storage conditions is 12 months from the date of production.

SAFETY PRECAUTIONS

- During use and storage, work clothes, protective gloves and masks should be used in accordance with the rules of Occupational and Labor Health. Eye, mouth and skin contact should be avoided and the contact area should be washed with plenty of water.
- In more dangerous situations or in case of ingestion of the product, a specialist doctor should be consulted immediately. Food and beverages should not be brought into the application areas. Keep out of the reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

LEGAL NOTES

- The information and recommendations for the use of branded products are provided in good faith based on technical knowledge and BULDience, provided that they are maintained and handled under normal conditions and in accordance with the recommendations. Along with the products, the areas of use and surfaces may vary widely. It is necessary to ensure that the correct branded products are applied on appropriate surfaces and under appropriate conditions. In addition, all information and instructions regarding commercial factors and technical conformity must be strictly followed. The manufacturer cannot be held responsible for any damages and problems that may occur if not complied with. The applicator/user is obliged to make the relevant checks to ensure these details. The specifications of branded products may be changed when necessary. The property rights of third parties must be respected. When the order is confirmed, all existing technical conditions are essential for sales and transportation.

REFERENCE STANDARDS

- TS EN 14891/CMO2P Class

