

BETEK BUILDING CHEMICALS

POLYCRETE®

DESCRIPTION

A cement- and acrylic-based, two-component, fully elastic waterproofing material.

APPLICATION AREAS

Used in protection of all kinds of interior and exterior building elements and waterproofing. Used as a fully flexible waterproofing material in wet areas like restrooms, bathrooms and kitchens, water tanks (drinking water compliance certificate is available), foundations, terraces and balconies (to protect the top), and spaces where a lot of water is used like hot springs and Turkish baths. Cannot be used in areas exposed to negative water pressure.

SPECIFICATIONS

- Highly adherent.
- Fully flexible and watertight.
- Resistant against mechanical impacts due to the flexible coat that it forms.
- Preserves its quality even in possible future capillary cracks on the application surfaces (up to 0.1 mm).
- Forms a permanent layer without any joints and attachments.
- Permeable to water vapor.

TECHNICAL SPECIFICATIONS

Appearance/Color	Component A: white liquid Component B: gray powder Mixture: cement gray
Blending Ratio	20 kg powder (bag) - 10 kg liquid (pail) A/B ratio by weight: 1/2
Density	Powder: 1.35 ± 0.05 kg/L Fresh Cement Density: 1.70 ± 0.05 kg/L
Water Absorption	≤ 0.1 kg/m ² h ^{0.5}
Pressurized Water Strength	≥ 1.5 bar (positive direction)
Adhesion Strength	≥ 1.0 N/mm ² (28 days)
Surface Temperature	+5°C - +30°C
Ambient Temperature	+5°C - +30°C
Maturing Time	3-5 minutes
Working Life	2 hours (at +20°C)
Coat Resting Period	4 hours
Drying Time	24 hours

APPLICATION

Clean the application surface from all kinds of dirt, dust etc. preventing adhesion of the product. Use pressurized water and soapy warm water if required. Apply to raw plaster or concrete surface. Remove all the materials on the surface such as coating, paint using mechanical methods until brute concrete is reached. Ensure that the application surface is damp-dry and clean. Ensure the application surface has a slope that will prevent ponding (min. 5%). Use Betek Stako and/or Betek Stako 0 repair mortars for surface smoothness before the application. Bevel the vertical and horizontal cold joints with Stako repair mortar by opening joint gaps.

Moisturize the surfaces after the surface preparation is complete.

Mix 1 unit of Component A (liquid) with 2 units of Component B (powder) using a low-speed (400-600 cycles/minute) mixer to obtain the fluent form for brush or roller application. Reduce the fluid amount 30-35% to obtain the paste form for trowel application. Apply in 2 coats.

WARNING:

Apply at temperatures between +5°C - +30°C

Protect the application surface from rain, frost, direct sunlight, pedestrian and vehicle traffic starting at least 24 hours before the application.

Cover the areas that may be exposed to direct sunlight.

Clean the hand tools used for application using water after the application. Wear gloves during application. Wash eyes and skin with plenty of water in case of contact with the product. Consult to a doctor urgently in case of an allergic reaction.

CONSUMPTION

Component A + Component B: 3 kg/m² in average (2-coat application)

The specified consumption values are approximate. Since there will be differences based on the number of pores and holes on the surface, the precise consumption can only be determined at the end of the application.

STORAGE

May be stored for 6 months in its unopened packaging at a cool and dry environment protected against moisture, frost and direct sunlight.

PACKAGING

30 kg set (A+B)

Component A: 10 kg plastic pail

Component B: 20 kg craft bag

HAZARD DESCRIPTION

Xi Irritating.

Hazard statements

H317 May cause an allergic skin reaction

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

