

byk®



BYK EP MORTAR 9301-2K

Epoxy Repair Mortar

BYK EP MORTAR 9301 – 2K is a two-component, solvent-free, non-shrinking, moisture tolerant, pasty and thixotropic epoxy repair and bonding mortar.

PLACES OF USAGE

- For bonding of dilatation tapes to concrete.
- For repair and bonding of all kinds of materials such as concrete, stone, marble.
- For bonding materials such as tiles and granite to glossy surfaces.

ADVANTAGES

- It is a material which is very easy to apply.
- It is water and gas impermeable.
- It is resistant to chemicals and abrasion.
- It adheres to concrete perfectly.
- It does not shrink.
- Solvent-free.

TECHNICAL FEATURES

Specifications	Values	Standards
Color	Gray	-
Density	1,80 kg/ lt	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C
Mixing Ratio	3:1	-
Solid Matter	100%	-
Concrete Adherance	>4 (N/mm ²)	ASTM D4541
Steel Adherance	>3,5 (N/mm ²)	-
Full Endurance	7 Days	-



APPLICATION PROCEDURE

When mixing and applying, wear rubber gloves and safety goggles to protect your skin and eyes. Do not add any foreign substance and water into the product. Since the product will harden immediately when mixed in extremely hot weather, it should be mixed as much as it will be used. It should not be applied under +5°C.

NOTE: The technical specifications written above were written according to the test results performed under 23°C and 50% relative humidity conditions. The values may vary under different temperature and humidity conditions.

Surface Preparations

The application surface must be dry and free from all dust, dirt, weak and loose particles, cement slurry residues, oil and grease. The concrete sub-layer must be solid and have sufficient pressure resistance (at least 25N/mm²) and tensile strength (pull-off) (at least 1,5N/mm²). It can't be thinned with thinner.



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Preparation of the Mixture

The product has two components and it is recommended to mix it in the amount to be used considering the pot life of the mixture. Excess mixtures will become unusable after the pot life expires. After component B is added to component A, it should be mixed with a low speed (300rpm) electric mixer for 2-3 minutes until a homogeneous color is achieved.

Application

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Consumption

Depending on the concrete surface, workmanship and dilatation band size, it is 1.00 kg/linear meter when required for two layers.

Package

A Comp. :3,75 kg

B Comp. :1,25 kg, and it is produced in metal buckets.



Shelf Life

It can be stored in its original unopened buckets in dry conditions at temperatures between 5°C and 25°C for a minimum of 12 months. Containers of unmixed components must be kept hermetically sealed until the next use.

Storage

Store in unopened original packaging in a cool and dry place protected from frost. For short-term storage, a maximum of 2 pallets should be placed on top of each other and should be shipped with first in first out. For long-term storage, pallets should not be stacked on top of each other.

Safety Precautions

Flammable and combustible products should be kept away during application. No smoking. Take care to ensure continuous ventilation of the application area. Protective equipment such as goggles and gloves should be used during application. In case of eye contact, rinse thoroughly with plenty of water. Ask for Material Safety Data Sheet for detailed information. Keep out of the reach of children. The product must be used by professional users, taking into account the data in the technical information section.

Disclaimer

The data contained in this white paper is based on our scientific and practical knowledge. **DEMIRKOL TAAHHUT INSAAT SANAYI VE DIS TICARET LTD. STI.** is only responsible for the quality of the product. **DEMIRKOL TAAHHUT INSAAT SANAYI VE DIS TICARET LTD. STI.** cannot be held responsible for the consequences of using the product outside the written recommendations on how and where to use the product and/or misuse. The user is responsible for the correct application of our product. Our company is only responsible for the quality of the product. This catalog supersedes the information contained in the previous catalog. Our company reserves the right to make changes in all kinds of information and content details in this catalog. It is essential to check that the information in the catalog is up-to-date and valid. All rights reserved.



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Surface protection products, Coating Application (C)/2.2
Surface protection systems Principle 2(MC) 2.2 Coatings)

Water vapor permeability (Water-vapour transmission properties)	Class I
Capillary water absorption and Water permeability	0,0791 kg/m ² .h ^{0,5}
Bond strength by pull-off	4,13 MPa
Reaction to fire	E
Hazardous Substances (chemicals dangerous to the environment and health)	Complies with 5.4