

byk®



BYK EP PRIMER 9004-2K D

Filled Epoxy Primer

BYK EP PRIMER 9004-2K two component, solvent-free, filled epoxy primer.

PLACES OF USAGE

- As a primer before epoxy and polyurethane floor coating
- As a primer for polyurethane insulation products and polyurea application.
- As a binder for level balancing, repair, and correction processes
- As a binder in the repair process of large cracks and in the joint detail process when mixed with silica sand or different fillers .

ADVANTAGES

- Easy to apply and low viscosity,
- High wetting and keveling propertiees.
- Solvent free.
- High adhesion ability.
- It is useful for general uses of all substrates.

TECHNICAL SPECIFICATIONS

Color	: Brown	: -
Density	: 1,45±0,05 g/cm3	: ASTM D1475 / DIN 53217 / ISO 2811, @ 20oC
Hardness	: 70-80 Shore D	: ASTM D2240 / DIN 53505 / ISO R868
Mixing Ratio (A+B)	: 3,8:1 By Weight	: -
Solid Content (A+B)	: %100	: -
Mixture Pot Life (+10oC)	: 80 min.	: -
Mixture Pot Life (+25oC)	: 30-35 min	: -
Adhesion to Concrete	: >3 (N/mm2)	: ASTM D4541
Tack Free Time	: 8-12 hours	: -
Recoat Time	: 12-24 hours	: -
Tack Free Time	: 7 days	: -

NOTE: Flammable and explosion products should be kept away during the application. Protective gloves and masks should be used for hands and eyes during application. The product should be used in well ventilated environments.If the material comes into contact with eyes, it should be washed immediately with su-cient water. Childrens should kept away from the product. For more detailed information, ask for the Safety Data Sheet (MSDS).

Surface Preparation

For Metal Surfaces: In order to achieve top level performance, sandblasting should be done at Sa 2 ½ level.The sandblasted surface should be primed with a dust rich epoxy primer or phosphate rich epoxy primer to form the required dry film before recording product identification information.

For Concrete Surfaces: The concrete surface must be clean, solid and have sufficient compressive strength (>25N/mm2), and tensile strength must be >1.5N/mm2. The concrete floor to be insulated must be solid and there must be no movement on the surface. The grout layer on the surface must be removed. The concrete to be insulated must be at least C25 and preferably C30 – C35 standard.

Concrete Standards: The surface should be cleaned with pressurized water and freed from oil, grease, dirt, mortar particles and dust. Concrete surfaces should be prepared to obtain an open porous surface by removing cement grout using abrasive equipment.It should also be completely cleaned from mold release agents, cement residues, shavings, loose particles and uncured membranes. The grout layer on the surface must be removed. (Shot-Blast, Rota Tiger etc.) If the surface is too shiny, it should be roughened with milling or sandblasting. Concrete cracks should be cut in a V shape, cleaned and false joints should be cleaned.



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Surface Temperature	: Min + 10 °C / Max + 30 °C
Ambient Temperature	: Min + 10 °C / Max + 30 °C
Material Temperature	: Must be between + 10 °C and + 30 °C.
Surface Moisture Content	: The moisture content in the concrete must be max. 4%.
Relative Humidity	: Must be max. 80%
Dew Point	: The ground temperature must be at least 3 oC above the dew point during application.

Mixing

The product is two-component. It is recommended to prepare only the amount that can be consumed within the pot life. Excess material prepared beyond the pot life cannot be used. To obtain a homogeneous mixture, ensure that the product temperature is at least +15°C. Component A should be mixed in its original container using a mechanical mixer at approximately 300 rpm for about 2–3 minutes. Then, the hardener (Component B) should be added to Component A. Components A and B must be mixed until a homogeneous consistency is achieved.

Application

The prepared primer mixture should be applied by brush, roller, or airless spray, ensuring that all surface pores are fully sealed. The prepared mixture must be consumed quickly, taking the pot life into consideration. The waiting times between coats are critical for the durability and performance of the final coating system. Full curing, including mechanical and chemical resistance, is achieved after 7 days. All tools and equipment should be cleaned as soon as possible using BYK TN 100. Rollers are disposable and are not suitable for reuse.

Packaging

12,5+5 kg in metal buckets.

Consumption

As primer before waterproofing or coating process Consumption:

0,4- 0,6 kg/m² di

As level balancing repair consumption : 0,5 – 0,8 kg/m²

As a binder for epoxy mortar 0,1 – 0,6 mm Quartz sand is mixed by 1/2 Consumption: 1 – 1,5 kg/m²



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.

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.

Responsibility

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.