

# byk®



## BYK EPOXY TC 9202-2K

### Solvent Free Epoxy Top Coat

BYK EPOXY TC 9202-2K two component, solvent free, easy to apply and smooth surface finish, non-slip epoxy final top coating material designed for industrial floors.

#### PLACES OF USAGE

- Factories, warehouses, shopping malls, aircraft hangars,
- Schools, hospitals, pharmaceutical industry, food industry, laboratories, parking lots,
- Wastewater treatment plants, areas where heavy forklifts and corrosive chemicals are used

#### ADVANTAGES

- Solvent free,
- High mechanical strength,
- High liquid permeability.
- Glossy finish coat
- Easy to apply
- Easy to clean and maintenance.
- Non slip surface.

#### TECHNICAL SPECIFICATIONS

Color	: A Comp. : Ral Colors	-
	: B Comp.: Transparent	-
Density	: A Comp.: 1,70±0,1 g/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C
	: B Comp: 1,0 ±0,1 g/cm <sup>3</sup>	
Hardness (7 days)	: >75 Shore D	ASTM D2240 / DIN 53505 / ISO R868
Viscosity (Mixture)	: 1500 cP	ASTM D 2196-86 / EN ISO 3219 (+25°C)
Mixing Ratio (A+B)	: 19+5 By weight	-
Abrasion Strength (7 days)	: 30-35 mg	-
Compressive Strength	: 50 (N/mm <sup>2</sup> )	EN 196-1
Flexural Strength	: 20 (N/mm <sup>2</sup> )	-
Adhesion to Concrete	: 1,5 (N/mm <sup>2</sup> )	ASTM D4541
Pot life	: 40-60 min	-

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 sufficient water. Children should be 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/mm<sup>2</sup>), and tensile strength must be >1.5N/mm<sup>2</sup>. 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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- Hardness :R28 = 15 Mpa
- Temperature 10-30°C
- Humidity: < 4%

### Mixing

Component A and Component B are supplied in separate packages in predetermined mixing ratios. Component B must be completely emptied into Component A and mixed thoroughly. Mixing should be carried out using a mechanical mixer at 300 rpm. As this is a two-component product, only the amount to be used should be prepared in accordance with the specified mixing ratio, taking the pot life into consideration. To obtain a homogeneous mixture, ensure that the product temperature is not below 15°C. Component A should first be pre-mixed briefly using a mechanical mixer. Then, the hardener (Component B) should be added in the correct mixing ratio. Components A and B must be mixed with a mechanical mixer for at least 3 minutes until a homogeneous mixture is achieved. The prepared mixture should be used within its specified pot life.

### Application

The mixture prepared for application should be applied in two directions using a short-nap roller. During application, the relative humidity of the air must not exceed 80%, and the application temperature (ambient and substrate) must be between +10°C and +30°C. For outdoor applications, there must be no rainfall 24 hours before application, during application, and for 24 hours after application. The substrate temperature must be at least 3°C above the current dew point temperature. Applied surfaces must be protected for at least 24 hours. The material reaches the mechanical properties specified in the Technical Data Sheet approximately 7 days after application.

### Packaging

A + B comp. part: 19 +5 kg in metal buckets

### Consumption

Minimum total consumption: 0,7-0,9 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.