

KLB-SYSTEM EPOXY EP 175 Spezial

Low yellowing 2-component epoxy resin

Mixing Ratio	Parts by weight:	A : B = 100 : 50
Working time 20°C		25 minutes
Working Temperature		minimum 10°C, max. 30°C, optimum 18°C
Setting time to foot-traffic		12 - 15 hrs.
Hardening		2 -3 days for exposure to chemicals
Further applications		after hardening, but not later than 48 hours
Specific density		1.10 kg/litre
Consistency		liquid approx. 2000 mpas
Consumption		approx. 0.3 – 0.9 kg/m ² according to aggregation
Colour		transparent / colourless
Packaging		Combi-can 10 kg, Combi-Hobbock 30 kg, Combi-Barrel 600 kg
Shelf Life		12 months (in original, unopened packaging)

Description

KLB-System Epoxy Resin **EP 175 Spezial** is a high quality, 2-component epoxy resin preparation for clear seal-finish on décor-mortar- and décor-scatter-coatings. **EP 175 Spezial** is used for top-sealing colorsand scatter-coatings for use in slip-resistant wet areas such as, e.g. kitchens, abattoirs, fish- and foodstuffs- industries. For trowel-applied surface sealing and smoothing of décor- and terrazzo- flooring.

Application as a filler-sealer is completed in several applications. The product has little inherent colour and, with careful application, gives a visually uniform and good appearance. As the product is based on epoxy resin, it is possible to use it in areas where there is a demand for mechanical and chemical resistance. Surfaces are abrasion- and wear- resistant, hygienic and easy to clean. **EP 175 Spezial** has good colour stability. To improve the appearance, after surface filling, it is recommended to over-coat with a suitable matt seal.

Product Features

- solvent-free
- Resistant to mechanical wear
- Suitable for wet areas
- Decorative appearance
- Good chemical resistance
- Good colour stability

Areas of use

- **EP 175 Spezial** is used as a surface filler on interior terrazzo flooring
- As a top-coat on scatter-coatings with anti-slip surfaces
- As a resin sealer on chips-scatter-coatings
- To improve the surface finish, it is strongly recommended to apply a surface seal-coat – suitable products are, e.g. KLB-System Epoxid **EP 860** or **EP 700 E**

Substrate / Surfaces

Application is carried out the next day, after the previous coat is sufficiently set and on the fresh, clean surface. Later application is possible as long as an adhesion test is made. Colorsand scatter-coatings are sharp and difficult to sweep, abrade and vacuum. For mortar coatings, abrading is therefore only recommended if testing shows an improvement will be made. Intermediate abrading between seal-coats is not recommended. The refurbishment of floors can require special procedures. Obtain special advice.

Mixing

With combi-cans, components A and B are supplied in the exact mixing ratio. The resin container has sufficient volume to accept the hardener. This must be completely added to the resin. In the case of individual packaging, the mixing ratio must be carefully maintained. Incorrect mixing can lead to yellowing. Mixing is by mechanical means and should take at least 2 minutes. Ensure careful mixing around the floor and walls of the container and, if necessary, pour into a second container and mix again. Apply immediately after mixing.

Cleaning

To remove fresh contamination and to clean tools, use **VR 24 Thinners** immediately after use.

Storage / Transport

Store in dry and, where possible, frost-free conditions. Ideal storage temperature is 10 – 20 °C. Before application, bring to a suitable working temperature. Tightly re-seal opened containers and use the contents as quickly as possible.

Application

Application must be carried out with great care. The mixed material is applied directly onto the prepared surface. Suitable for this are the rubber squeegee-rake or the flexible trowel which should be scraped as hard to the surface as possible. It is recommended to seal the surface using two trowel applications in opposite directions. To avoid trowel marks, always work fresh-in-fresh. Especially where overlapped, ensure the trowel is scraped hard to the surface. Avoid pooling and thick coat application. Do not apply at below 10°C and above 75% relative humidity.

The product falls outside the hazardous materials, operational safety- and transport- regulations for hazardous goods. The relevant notes are in the DIN Safety Data Sheet. Refer to the label notes on the container!

GISCODE: RE 1