

KLB- SYSTEM EPOXID EP 260 DEKOR – FLOW-COATING

Decorative granite-effect flow-coating

Mixing Ratio	Parts by weight	A : B	=	6 : 1
	Parts by volume	A : B	=	100 : 26
Application	Temperature	15°C	20°C	30°C
	Time	45 mins	30 mins	20 mins
Working temperature	Minimum 15° C - Maximum 30° C (room- and floor- temperature)			
Setting	Temperature	15°C	20°C	30°C
	Time	20 - 24 Std.	14 - 16 Std.	10 - 14 Std.
Hardening	Mechanical	2 - 3 days for exposure to mechanical forces at 20°C		
	Chemical	7 days for chemical resistance at 20°C		
Further Coats	after 18 hours, but not later than 48 hours at 20°C			
Consumption	2.8 – 4.1 kg/m ²			
Coat thickness	2 – 3 mm			
Packaging	Combi-can 12 kg, Combi-Hobbock 30 kg			
Colours	Anthracite, Granite Grey, Light Grey, Natural Beige			
Shelf life	12 months (in original sealed container)			

Description and Properties

KLB-SYSTEM EP 260 Dekor is a solvent-free, ready to use and self-levelling, 2-component epoxy resin free-flow material for producing smooth coating finishes. Due to the special additives, the coating has a decorative surface similar to granite.

The hardened coating is suitable for use on commercial and industrial locations in which special demands are placed on decorative appearance.

EP 260 Dekor has good durability and chemical resistance, e.g. against alkalis, oils, grease, water, salt solutions and various acids.

Product Features

- granite appearance
- decorative surface
- seamless
- solvent-free
- good range of resistance
- ready to use

Areas of Use

- commercially used surfaces with light to medium mechanical wear, in many industrial sectors that have decorative flooring requirements
- as a floor coating in sales-rooms, exhibition areas, show-rooms and many more

Flooring Construction

- **prime** with the recommended KLB resin primer such as **EP 50** or **EP 52**, consumption approx. 0.35 kg/ m²
- **scratch-coat** (if required) to produce a level surface, e.g. **EP 50 + KLB Mixing Sand 2/1** in the mixing ratio 1 : 0.8 parts by weight, consumption: approx. 1.0 kg/ m²
- **thin coating** with **EP 99 + KLB Mixing Sand 2/1** in the mixing ratio 1 : 1.2 parts by weight, consumption: 1.6 – 2.3 kg/ m². To avoid colour shadowing due to coating thickness differences caused by the substrate, a thin, colour-matched pre-coat must be applied. Especially important is careful substrate preparation so that the subsequent **EP 260 Dekor** coating can be applied at a consistent thickness.

- free-flow coating. Rake out the decorative wear-layer of **EP 260 Dekor** using a notched trowel (Pajarito 48), consumption 2.8 – 4.1 kg/ m².
- seal-coat the surface with the suitable silk or matt sealer, such as **EP 700 E**, **PU 800 E**, **PU 880** or **PU 882**.

Substrate

The substrate to be coated must be level, dry, dust-free, have adequate compressive and tensile strength and be free from weakly bonded materials and surface sections. Materials that will impair adhesion, such as grease, oil and paint residues, must be removed using suitable processes. Please refer to the current editions of the recommendations of the trade associations, e.g. BEB work-sheets KH-0/U and KH-0/S, as well as the notes in the Product Information Sheet for the recommended KLB primer, **EP 30**, **EP 50**, **EP 51 RAPID S** and **EP 52**

The surface to be coated must be mechanically prepared, preferably by shot-blasting. The prepared surface must be carefully and fully primed and sealed. To achieve an adequately flat and level finish on rough surfaces, they must be smoothed with application of a scratch-coat

If the surface is not fully sealed by priming, bubbles and pin-holes may appear in the coating due to air rising from the substrate. If in doubt, prepare a test area.

Due to the materials used, the coating has a low covering power and, therefore, a base-coat is required. We recommend a thin coat of **EP 99** in a colour that will harmonise with the selected top-coat.

Mixing

With combi-cans, factory-measured material in the precise mixing ratio is provided in one package. The can containing Component A is large enough to accept the total mix quantity. Fully decant hardener B into the can of resin A. Blend mechanically with a slow-speed mixer (200 – 400 rpm) and for 2 – 3 minutes until a homogeneous, streak-free mix is achieved. To avoid mixing errors, it is recommended to empty the mixed resin into a clean container and then mix briefly once again so as to guarantee a completely homogeneous mix.

Application

Application is carried out immediately after mixing by spreading a coat of consistent thickness, using a notched trowel (Pajarito 48), onto the prepared subfloor. **EP 260 Dekor** must be applied to a consistent thickness in order

to guarantee a uniform surface finish and, therefore, the prescribed substrate preparation is absolutely essential.

The product is prepared to give minimal foaming, though it is recommended to roll through with a spike-roller to improve adhesion to the substrate, maximize flow and remove entrapped air. Use of the spike-roller should be left 10 – 15 minutes after application. To avoid trowel- or bay- marks, always work fresh-in-fresh and determine the working areas before commencing.

The temperature of floor and air must not fall below 15°C and the air humidity must not be above 75%. The temperature difference between floor and room must be less than 3°C so as not to affect the setting process. In the event of a dew-point situation, proper hardening cannot occur, setting will be disturbed and there will be formation of surface spots. Exposure to wetting should be avoided during the first 7 days. The prescribed setting times apply at 20°C; at low temperatures, the working- and setting-times are extended and, in temperature increases, they are shortened.

If the recommended application conditions are not maintained, there may be some variation in the technical properties of the final product.

Cleaning

Remove fresh contamination and clean tools with thinners **VR 24** or **VR 33** immediately after use. Hardened material can only be removed by mechanical means.

Storage / Transport

Store in dry and, if 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. 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

Technical Data*

Viscosity	Components A+B	9000	mPas	DIN EN ISO 3219 (23°C)
Solids content		> 99.5	%	KLB Factory Standard
Specific Density	Components A+B	1.45	kg/l	DIN EN ISO 2811 – 2 (23°C)
Weight Loss		0.3	% by weight	(after 28 days at 20°C)
Water Absorption		< 0.2	Gew. - %	DIN 53495
Tensile Strength		35	N/ mm ²	DIN EN 196/ 1
Compressive Strength		60	N/ mm ²	DIN EN 196/ 1
Shore Hardness		82	-	DIN 53505 (after 7 days)
Abrasion Resistance (Taber)		45	mg	ASTM D4060

(* values achieved in sampling are average values. Variations from the product specification are possible).

Details are based on our experience and practical testing. We guarantee the perfect quality of our products, but cannot accept responsibility for the success of your completed work as we have no influence on the application and application conditions. It is recommended, in individual cases, to prepare a test surface. In addition, our "General Conditions of Trade" apply. The publication of this, new Data Sheet invalidates all preceded information.

