

Rhenopox EB 06.1 (2k Epoxy Color Traffic Zone) – component A

Art. no.: A 5198

- Products consist of a mixture of component A = Rhenopox EB 06.1 **and** component B = Rhenopox EH 11.1-H (hardener)
- Color tones: dark green VP5951 / broom yellow VP5947 / brown VP5958 / traffic blue VP5953 light blue VP5955 / orange VP6303 / fire red VP6304 / light red VP6305 / china red VP6306 signal yellow VP6307 white gray VP6266 / light gray VP5964 / deep black VP6302 pure white VP6299
- Water-proof floor coating, eco-friendly when fully hardened
- Solvent-free, epoxy resin based, VOC- free (= 0 %)

Application areas: Interior use. Exterior use only when combined with Rhenopox EB-KL 09.1 Klarlack 2 K (clear top varnish) and UV Plus. Thick-layer, joint-free floor coating for industrial areas such as garages, basements, storage room, clean room, swimming pools. We recommend using material with the same batch numbers per application to ensure the exact same color.

For professional use.

Features: 2- component industrial floor sealant based on epoxy resin, to be processed with hardener. The product is solvent free and therefore low in odor. Very hard-wearing and permeable – water vapor from the subsurface can escape, but water cannot penetrate from the outside. This offers security against any remaining moisture in the subsurface. Self-leveling from a layer thick-ness of 1.5 mm. Accessible by forklifts. Avoid access by transporters with iron wheels. All-In-One material – primer, putty and finishing coat. Use as putty by adding sand (1:1.5) – mix component A+B, then add the sand. Optimal adhesion on cement substrates and between layers. Can be cleaned with pressure washer. Resistant against gasoline, water, road salt and many cleaning products. Free from plasticizers.

- Can be repaired, coating is self-linking.
- Tec-Bond-System enables restoration coating.
- Noise-Brake-System reduces acoustic noise.

Test results: The following test values are being reached at 20°C respectively 30°C.

	20°C	30°C
Pot life:	45 minutes	30 minutes
Cure time:	24 hours	18 hours
Maximum time between coats:	36 hours	16 hours
Light traffic use after:	24 hours	18 hours
Full traffic use after:	48 hours	24 hours
Resistance against chemical influences:	7 days	5 days
Loading strength:	92 N/mm ²	
Elasticity:	76 N/mm ²	
Tensile strength:	39 N/mm ²	
Water absorption:	0.05%	
Shore D Hardness:	84	

Chemical resistance: The fully cured coating has been tested on resistance.

Lactic Acid 10%	Resistant	1.1%
Citric Acid 10%	Resistant	0.4%
Acetic Acid 10%	Resistant	1.5%
Hydrochloric Acid 10%	Resistant	0.7%
Sulphuric Acid 10%	Resistant	0.8%

Nitric Acid 25%	Resistant	0.3%
Sodium Hydroxide 50%	Resistant	0.4%
Ammonia 10%	Resistant	0.6%

Processing instructions:

- Mixture: Mix 5 parts by weight (kg) of component A + 1 part by weight (kg) of component B. Both packages form one unit. Stir component A well, add component B while stirring and mix thoroughly for 2-3 minutes at 300-400 rpm with stirring machine. Fill the mixed material into a clean container to avoid residue of unmixed components. Stir again briefly with the stirring machine. Mixture must be absolutely homogenous! Directly usable without latency. **This mixture cannot be diluted with water.** Do not mix with other materials.
- Layer strength: A base layer of 1mm and top-coat layer of 1-1.5mm generally suffice.
- Degree of gloss: Glossy
- Application: Pour in streaks and use a roller or spatula/smoothing trowel (see page 4) to spread in the required layer strength. If bubbles have been formed due to ascending moisture, the freshly applied coat may be aired by a spiked roller after a few minutes.
- Pot life: Ca. 40 min at 20°C. / approx. 25 minutes at approx. +40°C. The end of the application time becomes clearly visible when the material thickens.
- Processing conditions: Not below +12°C and not above 85% humidity. Substrate and ambient air must not be colder. We recommend processing at temperatures between +15°C and +25°C.
- Substrate: Cement, concrete, plaster and cement tiles.
- Consumption: ca. 1.5 mm layer thickness corresponds to 1.6 kg/m²
- Drying time: At +20°C, light use possible after 1- 2 days. Full use after 7 days. Different temperatures change the drying time.
- Re-coating: At normal layer strength, carefully walkable and re-coatable after 24 hours. Can also still be re-coated after one week.
- Colorless top-coat varnish: Always necessary, since the organic pigments (e.g. coffee, red wine), as well as chemicals (e.g. disinfectants) or acids can lead to changes in color. Any rubbing strains can lead to a scratching of the surface. The functionality will not be affected.
- Slip resistance: If slip-resistance is required, please proceed as follows:
1. Primer, 1x with roller
2. Intermediate coating, 1x with roller
3. Sprinkle siliceous sand while coat is still wet and remove excessive sand after drying.
4. Colorless top-coat: Optional colorless top-coat using Rhenopox EB-KL 09.1 Klarlack (with hardener EH-12.1 LH), 1x with roller.
- Decoration: For a decorative surface, sprinkle "Rhenocoll Color Flakes" into the last wet coat. Top-coat with clear varnish after one day at the earliest, because the Color Flakes cannot take any strain. Use

clear varnish Rhenopox EB- KL 09.1 (with hardener EH-12.1 LH).
If applied with roller, the flakes will leave a textured surface. In order to obtain a smooth and even surface, the clear varnish must be applied with a layer thickness of at least 1.5mm.

Application using a roller: Roller has to be absolutely dry. Do not moisten.

Cleaning of the tools: Wash tools immediately after use with Rhenocoll Verdünner 140/1400 (thinner).

Pretreatment: The substrate must be sustainable, clean, dry and free of separative substances such as oil, grease and wax. Remove old coatings with bad adhesion. Remove dust. Observe DIN 13813.

VOC 2010: Cat J / base wb / max value 140 g/L / actual value 0 g/L

Storage: Dry and frost-free. Storable up to 6 months in the unopened, original container.

Rhenopox EB 06.1 Labeling according to regulation (EC) No 1272/2008:

WARNING – H315, H319, H317, H411

Rhenopox EH 11.1-H Labeling according to regulation (EC) No 1272/2008:

DANGER – H332, H302, H314, H318, H317, H412

Safety advice: During processing, common protection measures and regulations according to the authorized trade association must be observed. Safety-relevant data and instructions regarding disposal can be found in the safety data sheet.

Supply units:

5 kg pail
25 kg hobbock

Service:

Our service team for application technology is available to you at any time without obligation.

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The information given within is without obligation and is based on practical experience as well as on experiments which we have carried out and are not attribute guaranties in the sense of the newest BGH legal requirements. We recommend that in any case users carry out their own tests since we have no influence over the large diversity of materials and their processing. No liability for the manufacturer can be derived from the contents of this data sheet. Statements going beyond or deviating from the contents of this data sheet require the written confirmation of the company headquarters. Our General Terms & Conditions apply in any case. With the release of this Technical Data Sheet all previous versions become obsolete.

Application method and Coating end-result

Rhenopox EB 06.1 can be used to create a smooth or textured surface. This allows creating slip-resistant coatings for e.g. ramps in parking lots and smooth coatings for even floor surfaces.

After mixing Rhenopox EB 02.1 / EB 04.1 / EB 06.1 as component A with Rhenopox EH 11.1 H as component B, the following set-ups are possible:

Set-up steps for textured coat



Apply Rhenopox EB mixture as:

- 1. Primer**
0,5-1,0 mm, 250 g/m² - with roller
- 2. Intermediate coat**
1,5 mm, 250 g/m² - with roller
- 3. Top coat**
1,5 mm, 250 g/m² - with roller

Drying time

between set-up steps: approx. 12 hours

Set-up steps for smooth coat



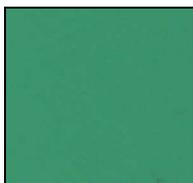
Apply Rhenopox EB mixture as:

- 1. Primer**
0,5-1,0 mm, 250 g/m² - with roller
- 2. Top coat**
1,5 mm, 1600 g/m² - by pouring
self-spreading, property distribute with toothed spatula

Drying time

After applying primer: approx. 12 hours

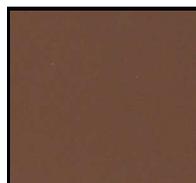
Color tones Rhenopox EB 06.1:



dark green
VP5951



broom yellow
VP5947



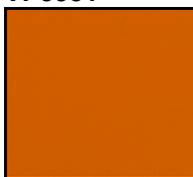
brown
VP5958



traffic blue
VP5953



light blue
VP5955



orange



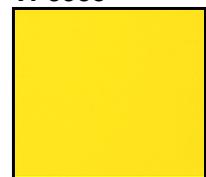
fire red



light red



china red



signal yellow

VP6303



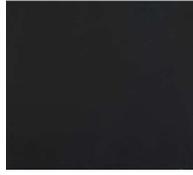
white gray
VP6266

VP6304



light gray
VP5964

VP6305



deep black
VP6302

VP6306



pure white
VP6299

VP6307

Attachment: „Tools“



Bowl trowel or finishing trowel
to spread material and especially to fill holes



Long trowel with tip
to spread material and to work on corners



V-notch trowel
to spread material and to fill holes



Spiked roller
for subsequent airing of coated surfaces



Low-pile roller
for application of all epoxy coatings



Foam roller
for application of epoxy clear varnish,
top-coat