

BLENDA[®]-POX

Art. 531 / 3 / 0223

2K epoxy paint «ECO»

VFL
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Properties

BLENDA[®]-POX is a cold-curing 2-component epoxy paint which contains water instead of solvent. BLENDA[®]-POX meets the highest standards of hygiene, durability and abrasion resistance and offers excellent resistance to a wide range of chemicals, mineral oils, fuels, diluted acids and alkalis, lime solutions, etc. Concentrated acids, however, cause swelling, discolouration and ultimately destruction of the coating if exposed to them for a long time. BLENDA[®]-POX is non-flammable, low-odour and pleasant to work with.

Field of application

For walls and floors in production and storage rooms in the food industry, civil defence facilities, garages, car showrooms, cheese dairies, slaughterhouses, laboratories, canteen kitchens, hospitals, farms (in stables for base walls), etc.

Pretreatment

For new floors, the drying and setting times must be observed according to the floor manufacturer's instructions. The substrate must be freed from all adhesion-reducing layers and impurities. For example, cement residue, sintered layers, liquid foils (curing), etc. must be completely removed by blasting, grinding (with NEUTRASOL cement floor cleaner) or other suitable means. Clean old coatings with GEIGER SE-1 leachers / PUROL active cleaner concentrate, rinse with clean water and allow to dry well. Remove poorly adhering old coats (adhesive tension test, cross-cut) mechanically. For problematic renovations, use at most DUROPUR, EPOSAN or EPOTEX as adhesion promoter.

Processing

During application, a minimum substrate temperature of 10 °C, a maximum floor moisture of 5 % and a maximum air humidity of 75 % must be observed, otherwise film formation may be disturbed, resulting in poor drying, reduced adhesion, lower gloss, poor flow or poorer resistance. The adhesion of the coatings is also excellent on slightly damp substrates. Add the hardener to the BLENDA[®]-POX while stirring carefully. Due to the relatively short pot life, processing of the mixed material should be started immediately.

System structure

1 x BLENDA[®]-POX 2K epoxy sealer WV-362 colourless
or BLENDA[®]-POX 2K epoxy paint «ECO» diluted with 10–20 % water

1–2 x BLENDA[®]-POX 2K epoxy paint «ECO» diluted with 0–10 % water

Drying

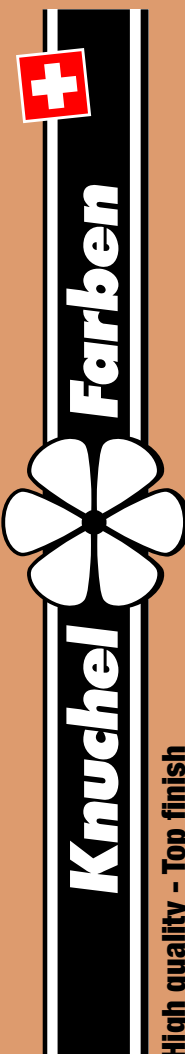
- ◆ Dust dry after about 4 minutes
- ◆ Firm to the touch after approx. 8 hours
- ◆ Can be walked on and painted over after about 12 hours
- ◆ Fully dried after about 36 hours
- ◆ Chemical resistance and full load after approx. 7 days
- ◆ Final hardness after approx. 14 days
(depending on the temperature, application quantity, humidity and air circulation)

Dilution

Water.

Extensiveness

5–6 m² per kg per application, depending on the quantity applied and the condition of the substrate.



Mixing ratio	6 parts by weight component A and 1 part by weight component B (6 : 1).
Pot life	<p>After mixing the A and B components, BLENDA[®]-POX can be processed for 2–3 hours at 20 °C. Mixing units should therefore not be too large. Mixed material that becomes musty in the processing phase may no longer be used.</p> <p>Mixed residual inks must never be stored in a closed container until they have completely hardened. The product continues to react and will put the container under pressure and may cause it to burst.</p>
Application	<p>Scooter and brush.</p> <p>In order to achieve optimum results, it is very important to use the right tools – see KNUCHEL GUIDE on brush and roller qualities. You will find this guide both in the catalogue and on the homepage as an attachment to this product.</p>
Cleaning	Clean tools immediately after use with warm water, soap and brush cleaner. Thoroughly clean skin areas that have come into contact with paint with warm soapy water.
Delivery form	Packages (including hardener) of 14 and 7 kg.
Shelf life	<p>Components A: BLENDA[®]-POX can be stored for up to 12 months in unopened original containers. Store in a cool but frost-free place. Diluted material reduces the shelf life, depending on the degree of dilution and water quality.</p> <p>Components B: The hardener can be stored for at least 12 months in well-sealed original containers. Store in a cool but frost-free place.</p>
Viscosity	Slightly thixotropic
Density	<p>Components A: 1,71 ± 0,05 g/cm³ (average value, depending on the colour tone)</p> <p>Components B: 1,00 ± 0,05 g/cm³</p>
Solid content	<p>Components A: 64 ± 1 %</p> <p>Components B: 88 ± 1 %</p>
Binder base	Water emulsifiable epoxy resins and amine hardeners.
Pigment base	Titanium dioxide, inorganic and organic coloured pigments.
Gloss level	Silk matt
Colours	<p>202 medium grey</p> <p>Epoxy resin coatings are subject to slight changes in colour tone, which can become visible in light colours.</p> <p>Light colours are not recommended for garage floors due to possible discolouration by tyres or tyre marks.</p>
Registration	<p>Components A: CPID 622767</p> <p>Components B: CPID 277922 (article 942 / type 966)</p>
Classification	For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet.
Trademark	BLENDA [®] is a registered trademark of Knuchel Farben AG in CH-Wiedlisbach.

Note

This leaflet is only intended as a reference and non-binding advice. The processing must be adapted to the corresponding conditions. In special cases we recommend to contact our technical service. However, all data and information on the suitability and application of the delivered products do not exempt the processor from carrying out his own tests and trials. A claim for damages for omitted, incomplete or incorrect information is excluded. This applies in particular if hardeners and other products are used in the paint build-up system.

Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.