

BLENDA[®]-FLOR

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2K-PU sealer WV-311

VFL
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Properties

BLENDA[®]-FLOR is a water-dilutable, low-odour 2-component sealing varnish based on polyurethane acrylate resin. The result is an extremely tough-elastic, wear-resistant and non-yellowing sealant with very high weather and light resistance. BLENDA[®]-FLOR has an extremely good abrasion resistance and the resistance to water, alcohol and household chemicals is excellent.

Field of application

- As a colourless topcoat as well as for protecting effect paints (CREAFLOC) on pigmented floor paints or coatings in exterior and interior areas.
- As a sealing clear coat on mineral surfaces such as hard or fair-faced concrete, clinker, earthenware and non-absorbent floor surfaces that are exposed to heavy wear.
- Excellent results are obtained on various plastic coverings (PVC, linoleum, epoxy resin, polyurethane, rubber, vinyl, etc.) However, a preliminary adhesion test is essential in any case.

Pretreatment

As colourless topcoat

BLENDA[®]-FLOR is applied to the pigmented coating without pretreatment but within one day.

As sealing clear lacquer

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.

On plastic coverings

It is recommended that vertical PVC surfaces (such as tent sheets) be carefully cleaned of release agents and silicone residues with polishing spirit. Horizontal PVC surfaces can be cleaned very well from surface dirt with PUROL active cleaner concentrate. The effectiveness of the pre-treatment must be tested by preliminary trials.

Processing

During application, a minimum substrate temperature of 12 °C and a maximum air humidity of 70 % Must be observed, otherwise film formation may be impaired, resulting in poor drying, reduced adhesion, reduced gloss, poor flow or poorer resistance.

Pre-mix the hardener with half the amount of water and then slowly add it to the stock solution using a stirrer. Then adjust BLENDA[®]-FLOR to processing viscosity by adding water.

Before application, it is also recommended to filter the mixed seal again.

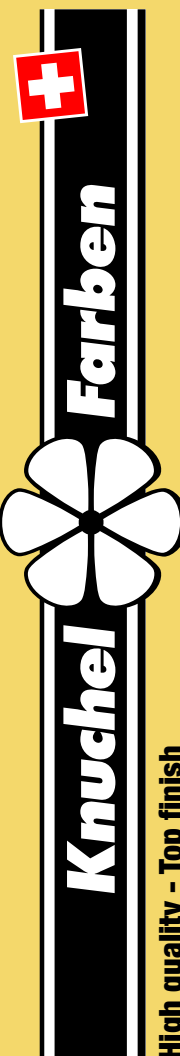
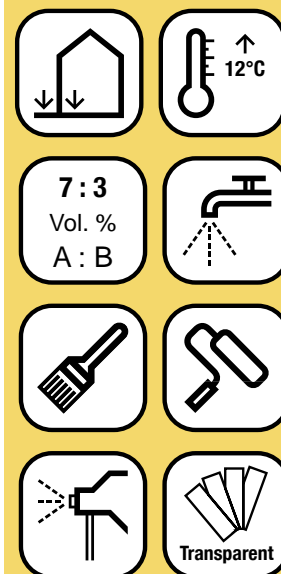
System structure

As colourless topcoat

1-2 x BLENDA[®]-FLOR 2K-PU sealer WV-311

As sealing clear lacquer

1 x BLENDA[®]-XIM floor impregnation primer colourless (for absorbent surfaces)



1–2 x BLENDA[®]-FLOR 2K-PU sealer WV-311

On plastic coverings

2–3 x BLENDA[®]-FLOR 2K-PU sealer WV-311

The life of the coating depends on the thickness of the layer. Intermediate sanding is necessary for several orders.

Drying

- ◆ Reconditionable after 8–12 hours
- ◆ Walkable after approx. 24 hours
- ◆ Fully cured after 3–5 days
(depending on the temperature, application quantity and humidity)

Dilution

Water.

For rolling and brushing applications: Add 1 % to a maximum of 5 % water.

For spray application the viscosity must be adjusted accordingly. Adjust spray viscosity to 18 seconds in DIN-4 cup (depending on sprayer and nozzle size).

Extensiveness

8–10 m² per kg per application, depending on the quantity applied and the condition of the substrate.

Mixing ratio

7 volume parts component A and 3 volume parts component B (7 : 3).

Pot life

Depending on the temperature, the hardener remains active for about 3 hours. If this time is exceeded, the material must under no circumstances be further processed and must not be stored in a closed container (post-reaction).

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.

Application

Brush, roller or spray gun.

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.

Cleaning

Clean tools with warm water immediately after use.

Renovation

Problem-free through grinding.

Delivery form

Packages (including hardener) of 10, 5 and 1 kg.

Shelf life

Components A: BLENDA[®]-FLOR 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.

Components B: The hardener can be stored for at least 6 months in well-sealed original containers. Protect from light and heat. Store in a cool but frost-free place.

Viscosity

Low viscosity / 31–39 seconds DIN 4mm

Density

1,00 ± 0,05 g/cm³

Solid content

Components A: 35 ± 1 %

Components B: 65 ± 1 %

Binder base

Components A: Acrylic and polyurethane resin dispersion

Components B: Aliphatic isocyanate (article 944 / type 1620)

Gloss level	Gloss, silk matt and matt
Colours	Colourless
Registration	Components A: CPID 622088 Components B: CPID 660564 (article 944 / type 1620)
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.
Note	<p>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.</p> <p>Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.</p>