

BLENDA[®]-FLOR

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2K-PU floor paint WV-537

VFL
Vismara Farbladen



Properties

BLENDA[®]-FLOR is a water-dilutable, low-odour 2-component floor paint based on polyurethane acrylate resin. The result is an extremely tough-elastic, wear-resistant and non-yellowing coating 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 permanent coating on concrete, masonry, composite panels (such as coarse particleboard OSB), cement coatings in basements, laundry rooms, heating and hobby rooms, stairs, terraces, balcony floors as well as for coating heavily used walls.

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.

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.

System structure

1 x BLENDA[®]-XIM floor impregnation primer colourless (for absorbent surfaces)
2 x BLENDA[®]-FLOR 2K-PU floor paint WV-537

Drying

- ◆ Dust dry after about 30 minutes
- ◆ Firm to the touch after 2–3 hours
- ◆ Reconditionable after 4–6 hours
- ◆ Dried through and block resistant after about 24 hours (depending on the temperature, application quantity and humidity)

Dilution

Water.

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

Extensiveness

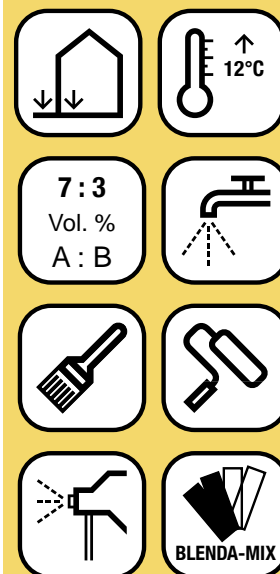
6–8 m² per kg per application, depending on the quantity applied and the condition of the substrate.

Mixing ratio

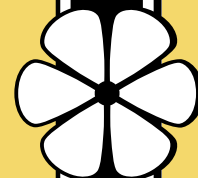
7 volume parts component A and 3 volume parts component B (7 : 3).

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).



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High quality - Top finish

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	Colour shades in the COLORAMA-Mix tinting system in packages of 5 litres as well as 1000ml.
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	700–800 mPa.s (depending on colour)
Density	1,28 ± 0,05 g/cm ³ (white)
Solid content	48 ± 1 %
Binder base	Components A: Acrylic and polyurethane resin dispersion Components B: Aliphatic isocyanate (article 944 / type 1620)
Pigment base	Titanium dioxide, inorganic light- and weather-resistant colored pigments.
Gloss level	Silk matt
Colours	White (as base W) The entire range of colours (Knuchel-Inspiration, RAL, Colortrend-E, NCS etc.) is available under the COLORAMA tinting system BLENDA-MIX.
Registration	Components A: CPID 277353 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.
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.