

# BLENDA<sup>®</sup>-FLEX

Art. 212 / 3 / 0223

## 2K-PU elasto-lacquer WV-212

VFL  
Vismara Farbladen



### Properties

BLENDA<sup>®</sup>-FLEX is an aqueous, flexible and permanently elastic 2-component coating based on polyurethane. A special plasticizer barrier, thanks to state-of-the-art PU technology, makes it possible to protect various flexible plastics efficiently and economically. BLENDA<sup>®</sup>-FLEX has excellent direct adhesion, is block resistant and results in abrasion and wear resistant coatings with excellent light and weather resistance.

### Field of application

BLENDA<sup>®</sup>-FLEX 2K-PU elasto-lacquer WV-212 covers a very wide range of applications for crack-free coating of flexible or rigid plastics in exterior and interior areas, especially on PVC floors, Novilon, tent sheets, etc. However, a prior adhesion test is indispensable in any case and, in the case of extremely flexible substrates, suitability must be checked with preliminary tests.

### Pretreatment

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.

BLENDA<sup>®</sup>-FLEX is used as primer and top coat. Pre-mix the hardener with half the amount of water and then slowly add it to the stock solution using a stirrer.

### System structure

1 x BLENDA<sup>®</sup>-FLEX 2K-PU elasto-lacquer WV-212 diluted with 10–20 % water  
1 x Intermediate sanding (matting of the surface)  
1 x BLENDA<sup>®</sup>-FLEX 2K-PU elasto-lacquer WV-212 diluted with 0–10 % water

### 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, humidity and air circulation)

### Dilution

Water. For spray application the viscosity must be adjusted accordingly. Adjust spray viscosity to 22–28 seconds in DIN-4 cup (depending on sprayer and nozzle size).

### Extensiveness

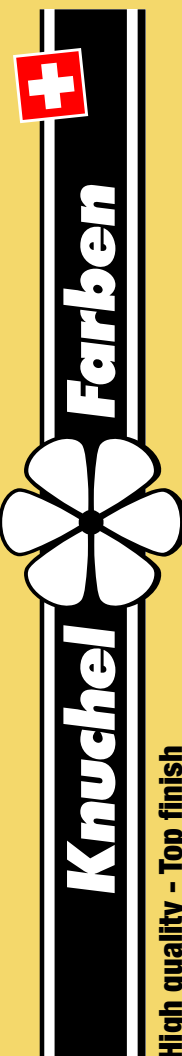
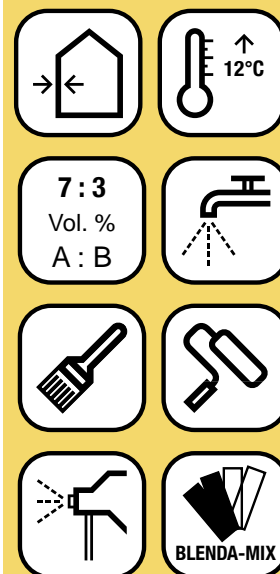
8–10 m<sup>2</sup> per kg per application, depending on the quantity applied and the condition of the substrate.

### 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.

<b>Application</b>	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.
<b>Cleaning</b>	Clean tools with warm water immediately after use.
<b>Delivery form</b>	Packages (including hardener) of 5 and 1 litres.
<b>Shelf life</b>	Components A: BLENDA <sup>®</sup> -FLEX 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.
<b>Viscosity</b>	250–300 mPa.s (depending on colour)
<b>Density</b>	1,28 ± 0,05 g/cm <sup>3</sup> (white)
<b>Solid content</b>	48 ± 1 %
<b>Binder base</b>	Components A: Acrylic and polyurethane resin dispersion Components B: Aliphatic isocyanate (article 982 / type 1620)
<b>Pigment base</b>	Titanium dioxide, inorganic light- and weather-resistant colored pigments.
<b>Gloss level</b>	Silk matt
<b>Colours</b>	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.
<b>Registration</b>	Components A: CPID 000000 Components B: CPID 000000 (article 982 / type 1620)
<b>Classification</b>	For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet.
<b>Trademark</b>	BLENDA <sup>®</sup> is a registered trademark of Knuchel Farben AG in CH-Wiedlisbach.
<b>Note</b>	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.