

ACRYLIC

BUGOFLEX

Dispersion, acrylic facade paint



MAIN ADVANTAGES

- Resistance to adverse atmospheric conditions
- Low surface absorption
- Increased resistance to the substrate alkalinity
- Wide range of colours
- High coverage
- To be applied on both mineral substrates and polymer coated surfaces

AREAS OF APPLICATIONS

The matt topcoat paint is intended for performing paint coatings outside buildings, including **KABE THERM AVANT** and **KABE THERM ELASTO** EWI systems based on EPS. It is used for painting all mineral construction substrates (such as concrete, cement renders and cement-lime renders) as well as substrates covered with well set and bound polymer-based coats. It creates a hydrophobic and flexible coating of high resistance to atmospheric conditions (such as precipitation, solar radiation, extreme temperatures and erosion) as well as soiling process. Because of the high level of coverage, **BUGOFLEX** paint is perfect for primary as well as renovation painting. Prior to applying the paint, absorbent mineral substrates require priming with **BUDOGRUNT ZG**. **Note:** If a renovation paint coating is performed on old acrylic renders, it is recommended to apply **NOVALIT F** polysilicate paint due to low surface tension while drying.

TECHNICAL SPECIFICATION

Base binder: copolymer binder;

Pigments: resistant to UV radiation and atmospheric conditions non-organic and organic coloured pigments;

The content of volatile organic compounds VOC: cat. A/c. The product contains less than 40 g / l VOC;

Density: ca. 1.50 g/cm³;

Colours: white, colours from the KABE colour chart and selected NCS colours or according to samples provided;

Gloss level: matt;

Diluent: water;

Average coverage: ca. 0.25 l/m² (with double painting on a smooth substrate);

Temperature of application (air and substrate): from +5°C to +25°C;

Relative humidity: ≤75%;

Relative diffusion resistance of a layer with the thickness of 150 µm:

$S_d = 0.54$ m (standard requirement $S_d \leq 2.0$ m);

Surface absorption coefficient $w = 0.03$ kg/m² · h^{0.5}
(standard requirement $w \leq 0.5$ kg/m² · h^{0.5}).

Packaging: Single-use plastic packaging of 5 and 10 l.

Storage: The product should be stored in its sealed packaging in a cool, but frost-protected room. Opened packaging should be tightly closed and used as quickly as possible.

Shelf life: Originally sealed products have a 18-month shelf life from the date of production (this is printed on the side of the packaging).

APPLICATION METHOD

SUBSTRATE PREPARATION: Apply to a sound/stable and clean substrate (without cracks and delaminations), degreased, even and dry, and biological or chemical efflorescence free. In case of algae/fungi growth, the substrate should be cleaned mechanically and then wash with water and disinfect with **ALGIZID**. Any loose layers not bound to the substrate (i.e. loose render or flaked coatings) should be removed. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. If there is any large unevenness to the substrate (from 5 to 15 mm), use levelling compound and then apply the whole surface with **KOMBI FINISZ** levelling/finish render. Minor unevenness (up to 5 mm) can be levelled out at once and smoothened with **KOMBI FINISZ** levelling/finish render. Absorbent substrates should be primed with **BUDOGRUNT ZG** before levelling compound and/or finish levelling and smoothing compound application. If paint is applied on new mineral substrates (such as concrete, cement render, cement-lime render), 4-week curing period is required. Before applying the paint in the **KABE THERM AVANT** and **KABE THERM ELASTO** EWI systems, all coats of the systems must be made in accordance with the technology of the External Thermal Insulation Composite Systems - ETICS. Acrylic paint can be applied to thin coat acrylic render only after 48h of exposure (at + 20 °C and 65% relative humidity).

PRIMING: Prior to paint application, absorbent or dusty (strongly chalking) substrates should be primed with **BUDOGRUNT ZG**. Primer should be dry before applying a paint, curing period lasts about 24 hours. **Note:** Substrates of low wettability (such as top coats based on polymers or dispersion coatings) should not be primed and should be only washed with water and **CLEANFORCE** cleaning agent.

PAINT PREPARATION: The packaging contains a ready-to-use product. If required, add a small amount of clean water (by adding to the first painting max. 10% of volume and to the second one max. 5%). Quantity of added water may vary depending on the substrate type, drying conditions and application method.

APPLICATION: Paint should be applied on the substrate in two layers with a brush, roller or by spraying (including also the 'airless' method). The second paint layer to be applied only after the first one dries completely, i.e. after min. 3-4 hours. It is recommended to use a special paint roller for facade paints made of woven polyamide with a bristle length of min. 18 mm. Use mechanical spraying only in windless weather. **Note:** Because of the special filling (filler granulation), it is recommended to perform tests before the application of mechanical spraying (optimum selection of the nozzle diameter).

Spraying parameters for an airless-type device:

Manufacturer	Device	Nozzle	Pressure [bar]	Filter [mesh]	Dilution [%]	Usage [l/min]
GRACO	UltraMax II 795	PAA621	170	60	5	3.60

DRYING: Typical drying time ca. 3 h for one paint layer applied to substrate (20°C, 55% RH). **Note:** Drying time may be longer due to low temperatures and high relative humidity. Protect the fresh coating against precipitation and condensation until it dries completely.

USEFUL HINTS: To avoid colour differences, a single batch product should be applied to entire facade or element in one working cycle. To be applied on dry days at temperatures between 5-25°C. All tools to be cleaned with water after finishing work. Application during direct exposure to sunlight, in strong winds or high air humidity is not recommended. To protect wet coating against inclement weather conditions, scaffolding should be covered with some protective netting.

ADDITIONAL OPTIONS: If paint is applied on substrates covered with cracks with a width of up to 0.3 mm (such as small shrinking cracks of the top coat), it is recommended to use paint reinforced with microfibres for the first painting (an option available on request). In order to increase the resistance of the paint coat to the growth of algae and fungi (especially while renovating EWI systems and while painting facades in shaded places of increased humidity and with a high concentration of plants), it is recommended to apply a special protective substance along with the paint (additional service).