

ACRYLIC

BUGOFLEX

Dispersion, acrylic
façade paint



MAIN ADVANTAGES

- Resistance to adverse weather conditions
- Low surface absorption
- Increased resistance to substrate alkalinity
- Wide range of colours
- Very high coverage
- For use on both mineral substrates and plastic-based renders/plasters

AREAS OF APPLICATION

A matt topcoat paint intended for applying paint coatings outside buildings, including in the **KABE THERM AVANT** and **KABE THERM ELASTO** EPS-based EWI systems. It is used to paint on any mineral substrate (such as concrete, cement render and cement-lime render) and on substrates covered with well-set plastic-based renders/plastics. It creates a hydrophobic and flexible coating of high resistance to weather 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. An absorbent mineral substrate should be primed with **BUDOGRUNT ZG** before applying the paint. **Note:** If a renovation paint coating is applied onto old acrylic renders, it is recommended to apply **NOVALIT F** polysilicate paint due to low surface tension while drying.

TECHNICAL DATA

Base binder: co-polymer binder;
Pigments: resistant to UV radiation and atmospheric conditions, inorganic and organic coloured pigments;
The content of volatile organic compounds VOC: cat. A/c. The product contains less than 40 g/lVOC;
Density: approx. 1.50 g/cm³;
Colours: white and colours according to KABE and NCS colour charts or a sample provided;
Gloss level: matt;
Thinner: water;
Average coverage: approx. 0.25 l/m² (with double painting on a smooth substrate);
Temperature of application (air and substrate): from +5°C to +25°C;

Relative air humidity: ≤ 75%;
Relative diffusion resistance for the layer with a 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: Disposable plastic packaging containing 5 and 10 litres of product.
Storage: Product should be stored in sealed packaging, in a cool room, but protected from frost. Opened packaging should be tightly closed and used as quickly as possible.
Shelf life: 18 months from the date of production printed on the packaging, with originally sealed packaging.

HOW TO USE

SUBSTRATE PREPARATION: Substrate should be sound/stable (without scratches and cracks), degreased, clean and dry, and free of biological contamination or chemical efflorescence. In case of algae/fungi growth, the substrate should be cleaned mechanically and then washed with water and disinfected with **ALGIZID**. Any loose layers, not bound to the substrate (e.g., loose render or flaked coatings), should be removed. Old and/or dirty substrates should be washed and degreased with water and **CLEANFORCE** cleaning agent. For particularly uneven substrates (from 5 mm to 15 mm), first use levelling compounds, and then level out the wall surface with **KOMBI FINISZ** base coat. Minor unevenness (up to 5 mm) can be levelled out and smoothed straight away with **KOMBI FINISZ** base coat. An absorbent substrate should be primed with **BUDOGRUNT ZG** before applying levelling compounds or base coats. If the paint is applied on new mineral substrates (i.e. concrete, cement render and cement-lime render) – a minimum 4-week curing period is required. Before using the paint in the **KABE THERM AVANT** and **KABE THERM ELASTO** EWI systems, all layers should be applied in accordance with the requirements for external thermal insulation composite system (ETICS). An acrylic paint can be applied to thin-coat acrylic render only after 48 hours of curing (at +20°C and 65% relative humidity).

PRIMING: Absorbent or dusty (strongly chalking) substrates should be primed with **BUDOGRUNT ZG** before applying the paint. The curing period of the product applied to the substrate before applying the paint is about 24 hours. **Note:** Substrates with low wettability (such as plastic-based renders or dispersion paint coatings) should not be primed and should be only washed with water and the **CLEANFORCE** product.

PAINT PREPARATION: The packaging contains a ready-to-use product. If necessary, add a small amount of 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: The paint should be applied on the substrate in two layers with a brush, roller or by spraying (including also "airless" method). The second paint layer should 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 façade 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 sprayer:

Manufacturer	Device	Nozzle	Pressure [bar]	Filter [mesh]	Thinning [%]	Coverage [l/min]
GRACO	UltraMax II 795	PAA621	170	60	5	3.6

DRYING: Typical drying time for one layer of paint applied onto a substrate is approx. 3 hours (at air temperature +20°C, 55% RH). **Note:** At low temperatures and high air humidity, the paint drying time will be longer. Protect the fresh paint coating against precipitation and condensation until it dries completely.

USEFUL HINTS: In order to avoid colour differences, it is necessary to create a surface constituting a separate architectural whole in one work cycle with material from the same production batch. Paint application and drying should take place on dry days at temperatures between +5°C and +25°C. Tools should be cleaned with water immediately after finishing work. Application during direct exposure to sunlight, in strong winds or high air humidity is not recommended. In order to protect the completely undried paint coating against severe weather conditions, it is recommended to use appropriate protective meshes on scaffolds.

ADDITIONAL OPTIONS: If paint is applied on substrates with cracks with a width of up to 0.3 mm (e.g., small shrinking cracks of the render coat), it is recommended to use paint reinforced with microfibrils 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 façades in shaded places with increased humidity and with a high concentration of plants), it is recommended to apply a special protective agent along with the paint (additional service).