

BRILALUX

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2K-PUR textured paint DD-193 matt

VFL
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Properties

BRILALUX is an air-drying, cold-curing 2-component structure paint (grain effect) on an acrylic polyurethane (DD) basis for rational and decorative application. It meets the highest requirements in terms of chemical and mechanical resistance. BRILALUX produces hard, abrasion-resistant yet elastic coatings with excellent resistance to solvents, petrol, mineral oils, cleaning agents, diluted acids and alkalis, etc. Depending on the spraying technique, different structural effects can be achieved and minor unevenness of the substrate can be evened out. BRILALUX coatings are weatherproof with excellent lightfastness, gloss and chalking resistance.

Field of application

For the industrial painting of machines, devices, equipment, switchboards, steel cabinets, automats and objects of all kinds.

Pretreatment

The substrate must be clean, dry and free of rust and grease. A preliminary test on compatibility with old coatings is advisable.

Processing

1. BRILALUX 2K-PUR textured paint DD-193 matt can partly be applied directly to the substrate without primer. Due to the grain effect structure, however, the paint film has different layer thicknesses, which is why a primer to increase corrosion resistance is advantageous in exterior areas or in a humid atmosphere.
2. In order to achieve an even formation of the scar effect, it is advisable to start with a thin pre-spray (higher pressure) and then to spray on evenly (lower pressure).
3. The effect image can be varied by varying the dilution, spray pressure, amount of material, distance to the object and nozzle size. Basically, coarse structures are achieved with low pressure and a large nozzle and fine structures with high pressure and a small nozzle.
4. In contrast to conventional top coats, BRILALUX is sprayed with higher spray viscosity (pressure cup gun or pressure tank).

Fine structure

Material: dilute 10 %

Nozzle size: 1,5

Cup or tank pressure: approx. 1,5 bar

Spraying pressure: 3–4 bar

No structure / basic treatment

Material: dilute 20–30 %

Nozzle size: 1,5

Cup or tank pressure: approx. 1,5 bar

Spraying pressure: 3–4 bar

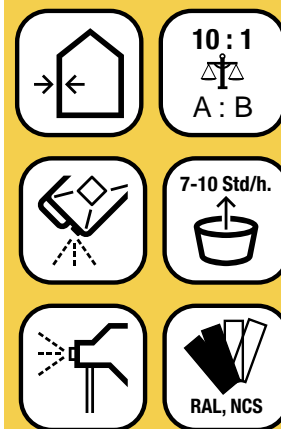
Coarse structure

Material: undiluted

Nozzle size: 1,8–2,0

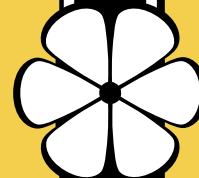
Cup or tank pressure: approx. 1,5 bar

Spraying pressure: 2–2,5 bar



Farben

Knuchel



High quality – Top finish

System structure	1 x Priming with a suitable corrosion protection system such as BRICAPOX 2K epoxy primer EP-351 2 x BRILALUX 2K-PUR textured paint DD-193 matt in the desired shade
Drying	<ul style="list-style-type: none">◆ Dust dry after about 30 minutes◆ Firm to the touch after approx. 1 hour◆ Fully dried after about 24 hours◆ Final hardness after approx. 7 days (depending on the temperature, application quantity and humidity) After a flash-off time of 15 minutes, the drying process can be accelerated by raising the temperature to 60–80 °C for 30 minutes.
Dilution	DD thinner. Other thinners may react with the hardener and affect the quality of BRILALUX.
Extensiveness	2–4 m ² per kg per application for textured coatings. 6–8 m ² per kg per application for smooth finishes / base treatments.
Mixing ratio	10 parts by weight component A and 1 part by weight component B (10 : 1).
Pot life	After mixing the A and B components, BRILALUX can be processed for 7–10 hours at 20 °C. The increase in viscosity, which increases with pot life, must be compensated by the addition of DD diluent. 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	Pressure cup gun or pressure tank. By using a traditional cup gun or a roller, the structural appearance changes.
Cleaning	Clean tools immediately after use with paint or cleaning thinner.
Delivery form	Packages (including hardener) of 11 kg.
Shelf life	Components A: BRILALUX can be stored for at least 12 months in the well closed original container. Storage beyond this specified period does not necessarily mean that the goods are unusable. However, for quality assurance reasons, it is essential to check the required property values. Store in a cool and dry place. Components B: The hardener can be stored for at least 12 months in well-sealed original containers. Storage beyond this specified period does not necessarily mean that the goods are unusable. However, for quality assurance reasons, it is essential to check the required property values. Store in a cool but frost-free place.
Viscosity	Highly thixotropic / 4000–4200 mPa.s
Density	1,20 ± 0,05 g/cm ³ (average value, depending on the colour tone)
Solid content	55 ± 1 % (average value, depending on the colour tone)
Binder base	Components A: Modified polyurethane resins Components B: Aliphatic isocyanate (article 947 / type DD-4)
Pigment base	Titanium dioxide, inorganic and organic coloured pigments.
Gloss level	Matt
Colours	According to colour chart RAL, NCS or according to template.

Registration	Components A: CPID 276703 Components B: CPID 277718 (article 947 / type DD-4)
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 thinners or 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>