

# BRILALUX

Art. 72 / 10 / 0623

## 2K-PUR DS industrial varnish DD-72 silky gloss



### Properties

BRILALUX is a chemically curing 2-component industrial thick-film coating based on acrylic polyurethane (DD). It is characterized by a very high filling and covering power combined with excellent direct adhesion to a wide range of substrates (metals and plastics). The use of active anti-corrosion pigments enables easy corrosion protection on iron and steel. BRILALUX produces hard and abrasion-resistant surfaces with good resistance to solvents, petrol, mineral oils, cleaning agents, diluted acids, alkalis, etc. The coatings are characterized by good light fastness, gloss and chalking resistance.

### Field of application

For economical and industrial painting of exterior and interior steel and metal structures, shop fittings, machines, equipment, switchboards, laboratory equipment, household appliances, office furniture, front doors polyester materials, etc.

### Pretreatment

The substrate must be clean, dry and free of rust and grease. Grind old coats well and it is advisable to carry out a preliminary compatibility test.

### Processing

Before use, mix components A and B according to the mixing ratio, mix well and adjust to a spray viscosity of 18–20 seconds in a DIN-4 cup using DD thinner. Spray pressure 3–5 bar with nozzle of 1,5–1,8mm. Do not apply at temperatures below 8 °C, in direct sunlight or increased air humidity.

### System structure

#### **Metal substrates**

1 x Priming with a suitable corrosion protection system such as BRICAPOX 2K epoxy primer EP-351 or as one-coat paint directly with  
2 x BRILALUX 2K-PUR DS industrial varnish DD-72 silky gloss in the desired shade

#### **Plastics and polyester, non-ferrous metals (NE-metals)**

Test adhesion beforehand! – if necessary, priming with BRICAPOX 2K epoxy primer EP-351  
2 x BRILALUX 2K-PUR DS industrial varnish DD-72 silky gloss in the desired shade

#### **Wood-based materials indoors**

1 x SILAFIL 2K-PUR spray filler DD-529  
1–2 x BRILALUX 2K-PUR DS industrial varnish DD-72 silky gloss in the desired shade

### Drying

- ◆ Dust dry after about 30 minutes
- ◆ Firm to the touch after approx. 1 hour
- ◆ Fully dried after about 6 hours
- ◆ Final hardness after approx. 7 days  
(assumption 20 °C, normal humidity and application quantity)

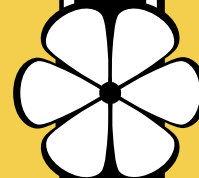
After a flash-off time of 15 minutes, the drying process can be accelerated by raising the temperature to 60–80 °C for 30 minutes.

### Dilution

DD thinner. Other thinners may react with the hardener and affect the quality of BRILALUX.



Farben



Knuchel

High quality – Top finish

<b>Extensiveness</b>	6–8 m <sup>2</sup> per kg per application, depending on the quantity applied and the condition of the substrate.
<b>Mixing ratio</b>	For spray applications: Hardener Art. 947 10 parts by weight component A and 1 part by weight component B (10 : 1).  For rolling and brushing applications: Hardener Art. 935 5 parts by weight component A and 1 part by weight component B (5 : 1).
<b>Pot life</b>	After mixing the A and B components, BRILALUX can be processed for 3–5 hours at 20 °C. 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>	Sprayer. Due to the rapid drying, brushes and rollers are only suitable with the delayed hardener. 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 immediately after use with paint or cleaning thinner.
<b>Delivery form</b>	Packages (including hardener) of 11, 5,5 and 1,1 kg.
<b>Shelf life</b>	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.
<b>Viscosity</b>	Slightly thixotropic / 30–500–1250 mPa.s
<b>Density</b>	1,19 ± 0,05 g/cm <sup>3</sup> (average value, depending on the colour tone)
<b>Solid content</b>	68 ± 1 % (average value, depending on the colour tone)
<b>Binder base</b>	Components A: Modified polyurethane resins Components B: Aliphatic isocyanate (article 947 / type DD-4) (for normal open time) Components B: Aliphatic isocyanate (article 935 / type DD-319) (for rolling and brushing applications)
<b>Pigment base</b>	Titanium dioxide, inorganic and organic coloured pigments.
<b>Gloss level</b>	Silk gloss (approx. 60 % at 60° angle)
<b>Colours</b>	According to colour chart RAL, NCS or according to template.
<b>Test results</b>	<b><u>Cone Calorimeter according to ISO 5660-1</u></b> According to EN 45545-2 table 5 R1 the requirements for HL 1–2 are fulfilled. <b><u>Spread of flame according to ISO 5658-2</u></b> According to EN 45545-2 table 5 R1 the requirements for HL 1–3 are fulfilled. <b><u>Smoke toxicity according to ISO 5659-2</u></b> According to EN 45545-2 table 5 R1 the requirements for HL 1–3 are fulfilled.

**Registration**

Components A: CPID 279551  
Components B: CPID 263995 (article 947 / type DD-4)  
Components B: CPID 000000 (article 935 / type DD-319)

**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**

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.

Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.