

BRILLANT

Synthetic resin enamel

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VFL
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Properties

BRILLANT synthetic resin enamel is a long oil, high gloss and slightly thixotropic alkyd resin varnish with very good processing properties such as flow, stability and open time. It produces extremely filling, shock and impact resistant coatings with high covering power and excellent edge coverage. BRILLANT has excellent light and weather resistance and offers good gloss stability.

Field of application

For high-quality surface protection on wood and metal indoors and outdoors, such as machinery, vehicles, windows, shutters, doors, wooden facades, under-roofs, furniture, railings, etc.

Pretreatment

The wood to be treated must be clean, dry (not more than 15 % wood moisture), free of wax and resin. Sand old coats or leach with GEIGER SE-1 leachers. An intermediate sanding with grit 180–220 can be made.

Processing

Do not use below 8 °C.

For objects at high risk of dew with little sunlight and air circulation and in humid environments (forest, trees, hedges, water bodies), the product should be treated with a film protection finish, especially for light colours and soffits. Therefore, please ask for appropriate factory equipment to ensure preventive protection against mould and fungi.

System structure

Raw wooden substrate

1 x transparent wood impregnation base like SILAXOL or BLENDA®-XOL (optional)

1 x pigmented wood primer like BRILALIT or BLENDA®-LIT

1–2 x BRILLANT synthetic resin enamel in the desired shade

Metal substrates

1 x Rust protection primer like BRICAFER or BLENDA®-FER

1–2 x BRILLANT synthetic resin enamel in the desired shade

Renovation on intact old coats

1–2 x BRILLANT synthetic resin enamel in the desired shade (or with BRILANOL, BRILAFIX or BLENDA®-FIX as primer)

Drying

- ◆ Dust dry after about 3 hours
- ◆ Firm to the touch after approx. 6 hours
- ◆ Can be reworked after approx. 12 hours
- ◆ Fully dried and walkable after 1–2 days
(depending on the temperature, application quantity and humidity)

Dilution

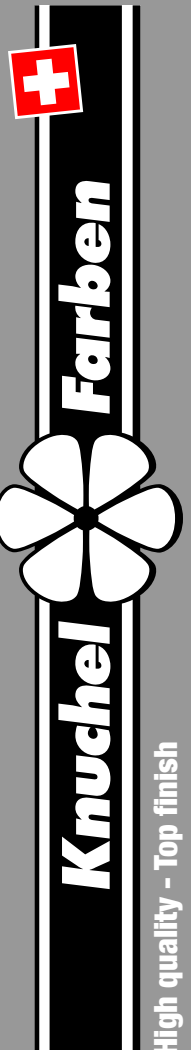
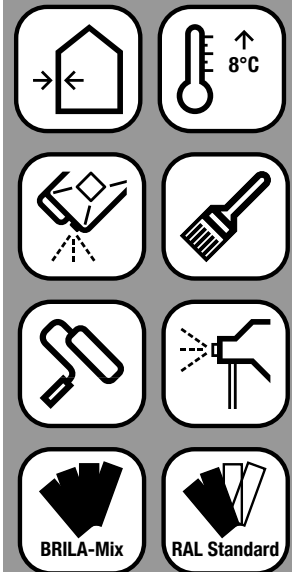
Synthetic resin thinner or Sangayol (turpentine substitute). For spraying also possible with universal thinner.

Extensiveness

8–10 m² per kg per application, depending on the quantity applied and the condition of the substrate.

Application

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.

Cleaning	Clean tools immediately after use with paint or cleaning thinner.
Renovation	Problem-free through grinding.
Delivery form	Standard colours in packages of 5 kg, 2.5 litres as well as 750ml, 375ml and 125ml. Colour shades in the COLORAMA-Mix tinting system in packages of 5 and 2,5 litres as well as 1000ml and 500ml.
Shelf life	BRILLANT can be stored for at least 18 months in the well closed original container. Store in a cool and dry place.
Viscosity	Spreadable viscosity / 950–1100 mPa.s
Density	1,23 ± 0,05 g/cm ³ (white)
Solid content	75 ± 1 % (average value, depending on the colour tone)
Binder base	Modified long oil alkyd resins
Pigment base	Titanium dioxide, inorganic and organic coloured pigments.
Gloss level	High Gloss
Colours	28 standard RAL colours according to Knuchel-RAL colour chart. The entire colour tone variety (Knuchel-Inspiration, RAL, Colortrend-E, NCS etc.) is available under the COLORAMA tinting system BRILA-MIX.
Registration	CPID 115263
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 also if thinners and other products are used in the paint build-up system. Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.