

BRILALIGHT

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VFL
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2K-PUR phosphorescent afterglow paint



Properties

BRILALIGHT is a fast-drying and highly pigmented 2-component acrylic polyurethane-based afterglow paint for indoor safety signalling. BRILALIGHT absorbs and dispenses radiant energy (sunlight, electric light) and then releases it over a longer period of time in the form of light. Daylight and artificial light are effective for radiant energy. LEDs are weakly effective and red and yellow light are ineffective.

Field of application

BRILALIGHT is used to mark objects in darkness from escape routes, equipment, fittings, warning signs, fire brigade and industrial safety stations, night clubs, shop windows, etc.

Pretreatment

The substrate must be clean, dry and load-bearing.

Processing

Do not use below 8 °C.

System structure

To obtain an intensive luminosity, a white 2-component resistant primer is recommended.

2–3 x BRILALIGHT 2K-PUR phosphorescent afterglow paint (several layers of paint guarantee a longer luminosity)

1 x Transparent UV protective coating against mechanical influences (optional).

Drying

- ◆ Dust dry after about 30 minutes
- ◆ Recoatable after 2–4 hours
- ◆ 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 BRILALIGHT.

Extensiveness

2–3 m² per kg per application, depending on the quantity applied and the condition of the substrate.

Mixing ratio

6 parts by weight component A and 1 part by weight component B (6 : 1).

Pot life

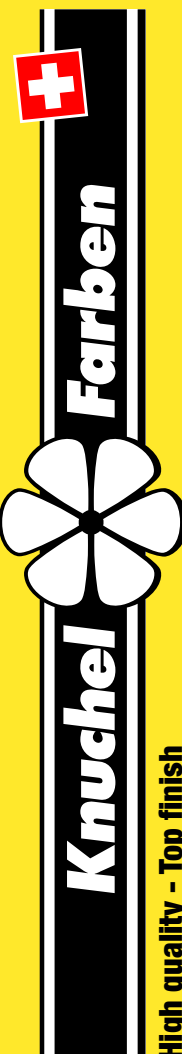
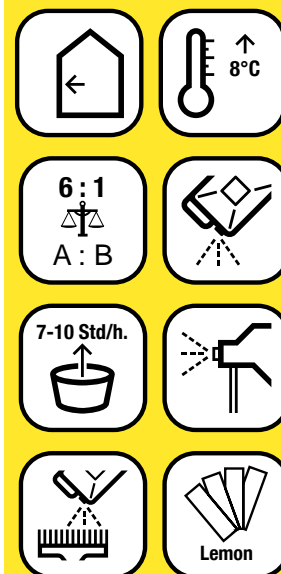
After mixing the A and B components, BRILALIGHT can be processed for 7–10 hours at 20 °C. The increase in viscosity, which increases with pot life, must be compensated by the addition of DD diluent.

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

Spray gun, but is also suitable for brushing or rolling.

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.
Delivery form	Packages (including hardener) of 7 and 1,4 kg.
Shelf life	Components A: BRILALIGHT can be stored for at least 12 months in the well closed original container. Store in a cool and dry place. Components B: The hardener can be stored for at least 12 months in well-sealed original containers. Store in a cool but frost-free place.
Viscosity	1550–1650 mPa.s
Density	Components A: $1,80 \pm 0,05 \text{ g/cm}^3$ Components B: $1,00 \pm 0,05 \text{ g/cm}^3$
Solid content	Components A: $80 \pm 1 \%$ Components B: $47 \pm 1 \%$
Active substance	Sulphide mixture based on copper, cobalt and zinc.
Binder base	Components A: Modified alkyd resins Components B: Aliphatic isocyanate (article 969 / type DD-2)
Pigment base	Phosphorescent pigments.
Gloss level	Matt
Colours	Green
Registration	Components A: CPID 276699 Components B: CPID 660201 (article 969 / type DD-2)
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.