

Characteristics

Non-colouring, lightening two-component polyurethane acrylic resin coating varnish for priming and finishing.

- easy to spray
- quick drying and easy to sand
- resistant to peroxide (bleach)
- light fast
- hard and elastic
- resistant to PVC sealant (PVC-proof)

Recommended use

For wooden furniture of all kinds and belonging parts and wooden surfaces that need a matt, resistant, open-pore protective film. Keeps its natural colour when used on light wood ("natural wood effect") for example oak, ash, maple, limba, spruce, beech or certain exotic wood types such as wengé. Also suitable for protecting delicate, pale stain shades (should be tested first) and for use on wooden surfaces bleached by hydrogen peroxide or CLOU® Bleaching agent without causing discoloration.

Preparation/Application

Application methods:	Spray gun	Airmix	Flow coating
Spray nozzle (mm):	1.5–1.8	0.23	—
Spraying pressure (bar):	2.5–3.5	80–100	—
Quantity (g/m²):	100	100	2 x 50
Yield (m²/Litre):	5	5	9

Technical Data

Mixing ratio:	10:1 CLOUCRYL-Hardener
Pot life at 20 °C:	3 days
Dilution:	10–20 % DD-Thinner 29
Working viscosity:	~ 20 sec / DIN 4mm
Viscosity:	~ 28 sec / DIN 4mm
Density lacquer (g/cm³):	~ 0.895
DIN EN ISO 2813:	matt
Gloss level 85° angle:	~ 15 GE

Drying

(at 20 °C and 50% relative humidity)

dust dry:	15 minutes
recoatable:	1 hour
stackable:	1 day

Cleaning

Clean tools immediately after use with DD thinner No. 29 or CLOU® cleaning thinner.

Storage/disposal

Store in well sealed original containers in a cool place protected from frost. Leftover varnish must undergo special treatment in compliance with the official regulations. Can be stored for 3 years in sealed original containers.

Safety instructions

Do not drain into the groundwater or sewage system. CLOUCRYL hardener and varnish mixed with hardener contains isocyanate which can irritate and sensitise the skin and respiratory tract or cause allergic reactions. Provide a constant supply of fresh air during and after application. Do not inhale vapours. Use appropriate protective breathing equipment if there is insufficient ventilation. People suffering from allergies or susceptible to respiratory tract complaints should not be allowed to work with these coating products.



Test standards

DIN 68861-1B (chemical resistance)

Ordering information

Item code:	
CLOUCRYL Lightening coating lacquer	196.00000
CLOUCRYL Hardener	1909.00000
DD Thinner No. 29	29.00000

Preparation

The wood surface to be coated must be completely dry and free of dirt, oil, grease and sanding dust.

Staining

For staining, all CLOU® staining products (except colour and wax stain) are suitable provided that they are applied and dried according to the instructions. CLOUCRYL Lightening Coating Varnish is also ideal for white, light grey or pastel shades thanks to its excellent light fast properties.

CLOUCRYL Lightening Coating Varnish can have an influence on the colour shade; it is therefore very important to test before using.

To improve the colourfastness of critical stain colour shades it is recommended to add 5% UV Absorber Additive No. 4471 to the ready mixed lacquer.

Using/application

(Surface temperature > 15 °C, residual wood moisture 8–12 %)

Sand down with 150-180 abrasive grit.

Before use, thoroughly shake the CLOUCRYL Lightening Coating Varnish and CLOUCRYL Hardener.

Preparing the varnish mixture:

10 parts	CLOUCRYL Lightening Coating Varnish
1 part	CLOUCRYL Hardener
if required	DD-Thinner No. 29

To achieve optimum hardness and mechanical resistance, adhere exactly to the specified mixing ratio. First, thoroughly mix the varnish and hardener components in a clean container. The two components must be mixed evenly. Then stir in the thinner just as carefully. The lacquer mixture can be used as a primer and final coat.

Hardening

(at 20 °C and 50% relative humidity)

After a drying time of at least 1 hour before the next coat, carefully sand the surface with 240/280 abrasive grit.

After drying for at least 2 days in well ventilated conditions, the varnished coat can withstand stacking and assembly and is odourless.

Complete hardening and chemical resistance of the coat is achieved after 12 – 14 days.

Special Instructions

Always apply the next coat immediately after sanding down the surface.

Care Instructions

Do not use any greasy or oily care products.