

## Fill and high-gloss varnish

### Characteristics

Two-component polyurethane acrylic resin varnish with high filling capacity and outstanding transparency. As a coating lacquer for priming and finishing.



- easy to spray
- dries quickly
- peroxide-resistant (bleach)
- lightfast
- hard and viscoplastic
- resistant to PVC seals (PVC-resistant)
- can be polished and buffed

### Recommended Use

For high-gloss, colourless, closed pored surfaces with brilliant smoothness for furniture of all kinds and belonging parts in the kitchen, bathroom, office or living areas. Also as a high gloss coating over CLOUCRYL Coloured Finishing Lacquer or CLOUCRYL Metallic Effect Lacquers.

Can be used on timber bleached with hydrogen peroxide or CLOU® bleaching agents without any discolouration; however, in this case, do not use the CLOUCRYL special hardener 19101.

### Processing/application

Methods:	 Spray gun	 Airmix
Ø Spray nozzle (mm):	1.5–1.8	0.23
Spray pressure (bar):	2.5–3.5	80–100
Quantity applied (g/m <sup>2</sup> ):	50–100	50–100
Yield (m <sup>2</sup> /l):	5	5

### Technical data

Mixing ratio:	2:1 with CLOUCRYL hardener
Pot life at 20 °C:	6 hours
Thinner:	DD thinner No. 29 as required
Processing viscosity:	~ 17 sec / DIN 4mm
Viscosity:	~ 32 sec / DIN 4mm
Density (g/cm <sup>3</sup> ):	~ 0.975
DIN EN ISO 2813	high gloss
Gloss level 20° angle	~ 90 GE

### Drying

(at 20 °C and 50% relative humidity)

Dust-dry:	1 hour
Recoatable:	6 hours
Stackable:	2 days

### 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. Recommended waste code according to the European waste directory: 08 01 11 (final determination must be coordinated through the regional waste utility). Can be stored for 3 years in original sealed containers.

### Safety instructions

Do not drain into the ground water or sewage system.

CLOUCRYL hardener and varnish mixed with hardener contains isocyanates, 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.

### Ordering instructions

Item code:	
CLOUCRYL Filler and high-gloss varnish	195.17465
CLOUCRYL hardener	1909.00000
DD Thinner No. 29	29.00000

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### Preparation

Ensure that the surface of the wood to be coated is absolutely dry and free of any dirt, oil, grease and sanding dust.

Closed pored surfaces must be given a priming undercoat to ensure that the high-gloss coating adheres well. The following products can be used for this:

CLOUCRYL Gloss (to obtain extremely clear surfaces), CLOUCRYL Satin matt, CLOUCRYL Fill and Finish or CLOUCRYL Filler Primer.

### Staining

Suitable wood stains include kf wood stain, UHB universal wood stain, CLOUCOLOR wood stain and rustic wood stain, on condition that the products are processed and dried according to the instructions. CLOUCRYL Fill and high-gloss varnish is also ideal for white, light grey or pastel shades thanks to its excellent lightfast properties.

To improve the light resistance of critical stain shades it is advisable to add 5-10% UV-Absorber additive No. 4471 to the already mixed lacquer.

### Processing/application

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

Sand wood down with 150-180 grit.

Shake CLOUCRYL Fill and high-gloss varnish and CLOUCRYL Hardener thoroughly before use.

Prepare the varnish mixture:

2 parts	CLOUCRYL Fill and high-gloss varnish
1 part	CLOUCRYL Hardener
max 10 %	DD thinner No. 29

Generally no thinner is needed. However, for difficult wood types, that form blisters after priming, up to 50% DD-Thinner No. 29 can be added as a correcting measure.

Use CLOUCRYL special hardener 19101 for faster, harder drying. The pot life is reduced from 6 hours to 5 hours at 20 °C. Do not use CLOUCRYL special hardener 19101 on bleached or white painted wood.

To achieve optimum hardness and resilience, comply exactly with the specified mixing ratio. First thoroughly mix the varnish and hardener components in a clean container. The two components must be mixed homogeneously. Then stir in the thinner just as carefully.

Use the varnish mixture as primer and finishing coat (top coat).

Ensure that the coat of varnish is not too thick. The high solids proportion makes it too easy to apply thick coats, which do not dry well.

### Hardening

(at 20 °C and 50% relative humidity)

After a drying time of at least 6 hours (better however is over night to ensure that the coat has dried thoroughly, thereby helping to avoid any subsiding), sand the surface down carefully with abrasive grain size 240/400 before applying the next coat. Use freshly mixed varnish for the subsequent coat.

After drying for at least 2 days in well ventilated conditions, the varnish coat can withstand stacking and assembly and is odourless. The drying time also depends on the thickness of the applied coat.

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

### Polishing method

CLOUCRYL Filler and high-gloss varnish polishes well to obtain a completely smooth surface. Please observe the system information leaflet "Polishing high-gloss surfaces".

### Special instructions

**After sanding down the surface, always apply the next coat immediately.**

The above information is of a non-binding nature and is based solely on our own tests and experience. The processing and directions for use should be adapted to prevailing working conditions where necessary.  
This Technical Data Sheet replaces all previous versions.

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