

Characteristics

CLOUCRYL® 2012 is an especially clear, high build and water resistant 2-component polyurethane-acrylic resin finish. Suitable for the priming and final coating of wood or wooden materials.

- aromatic compound-free and low in odour
- DINP-free
- resistant to chemicals according to DIN 68861, Part 1, stress group B
- highly resistant to household chemicals
- fast-drying, easily sandable
- very good light resistance hard, tough and abrasion-resistant
- scratch insensitive
- peroxide-resistant (stains), can also be used on stained wooden furniture surfaces
- resistant to PVC seals (PVC-resistant)

Areas of application

For all kinds of intensively used furniture and associated mounted parts made of wood or wooden materials for achieving a highly resistant, scratch-proof surface that resists chemicals. CLOUCRYL® 2012 is suitable for open-pore varnishing with an especially pretty pore appearance. Ideally suitable for coatings in restaurants, offices, schools, kitchens, bedrooms or bathrooms. Highly suitable for varnishing in kindergartens and children's toys for all age groups. Also suitable for increasing chemical and mechanical resistance (metal-marking resistance) of coloured CLOUCRYL®. Usable on wood stained with hydrogen peroxide or CLOU® Bleaching agent without causing discolorations. Ideal as finishing varnish on effect coatings and stained surfaces.

Application

Application methods:	Spray gun	Airmix
Spray nozzle (mm):	1,5–1,8	0,23
Spraying pressure (bar):	2,5–3,5	80–100
Quantity (g/m²):	100	100
Yield (m²/litres):	5	5

Technical data

Mixing ratio:	10:1 CLOUCRYL® Hardener
Pot life at 20 °C:	2 days
Dilution:	10–20% DD-Thinner 29
Processing viscosity:	~ 20 sec / DIN 4mm
Viscosity:	~ 20-25 sec / DIN 4mm
Density (g/cm³):	~ 0.920
DIN EN ISO 2813:	matt semi-matt
Gloss level 60° angle:	~10Gl ~25Gl

Drying

(at 20 °C and 50% relative humidity)

dust dry:	15 minutes
recoatable:	2 hours
loadable:	2 days
sandable:	>2 hours

Cleaning

Clean all tools immediately after use with CLOU® Cleaning Thinner or DD-Thinner 29.

Storage/Disposal

Store in well-sealed original containers in a cool place protected from frost. Varnish residues must undergo special treatment in accordance with official regulations. Can be stored for 3 years in sealed original containers.

Safety instructions

Do not drain into the groundwater or sewage system (water hazard class 2). CLOUCRYL® Hardener and the Hardener mixed with lacquer contain isocyanides, which can irritate and sensitise the skin and respiratory tract or cause allergic reactions. Do not inhale the vapours. Provide a constant supply of fresh air during and after application. Use appropriate breathing equipment if there is insufficient ventilation. People suffering from allergies or susceptible to respiratory complaints should not be allowed to work with these coating products.



Test standards

DIN 68861-1B (chemical resistance)
DIN 68861-Part 2 (abrasion resistance)
DIN 68861-Part 4 (scratch resistance)
DIN 4102-B1 (fire resistance)
DIN EN 71, Part 3 (suitable for toys)

Ordering information

Item code:	
satin matt	290.00000
matt	290.00001
glossy	290.00003
satin gloss	290.00004
super matt	290.00005
CLOUCRYL® Hardener	1909.00000
DD-Thinner 29	29.00000

Preparation

The wooden surface to be coated must be absolutely dry and free of any dirt, oil, grease and abrasive dust.

Staining

All CLOU® Stains (except wax stains) are suitable, but they must be processed and dried according to work instructions. Owing to its good light resistance and clear brilliance, CLOUCRYL® 2012 is especially suitable for bright gray or pastel shades.

To improve colour resistance of critical staining shades, we recommend adding 5% UV-Absorber Additive 4471 to the mixed varnish ready for use.

Use/ Application

(Surface temperature > 15 °C, Residual wood humidity 8–12 %)
Wood pulp of grain size 150 and remove dust well. Do not polish stained surfaces.
Shake CLOUCRYL® 2012 and CLOUCRYL® Hardener thoroughly before use.

Prepare the varnish mix:

100 parts	CLOUCRYL® 2012
10 parts	CLOUCRYL® Hardener
10–20%	DD-Thinner 29

To achieve optimum hardness and stress-resistance, maintain the exact mixing ratio. Start by mixing the varnish and hardener components thoroughly in a clean container, making sure both components are uniformly mixed. Afterwards, stir the dilution just as carefully. Process the varnish mix as primer and as final coat (finishing varnish).

Drying

(at 20 °C and 50% relative humidity)

After allowing to dry for at least 2 hours before the next varnishing step, perform intermediate sanding with grain size 240/280. After every intermediate sanding, remove sanding dust carefully and keep working immediately afterwards.

Final coating

Three varnish coatings are necessary for varnishing objects that are used intensively. In this case, let the double-coated work piece dry overnight, then perform the intermediate sanding with grain size 240/280 and apply the topcoat.

After letting it dry for 2 days in a well-ventilated place, the odourless varnish coat can withstand stacking and assembly.

The coating reaches its full hardening and resistance against chemicals after 12-14 days.

Care instructions

Never polish up matt varnished surfaces! To remove light soiling, use only a moist and very soft cloth and let dry.

Special instructions

To prevent grouting failures, it is necessary to apply a topcoat after every intermediate sanding.

CLOUCRYL Glass Lacquer Activator

The addition of CLOUCRYL® Glass Lacquer Activator allows direct glass varnishing after previous proper cleaning. Consult the CLOUCRYL® Glass Lacquer Activator technical data sheet.
The above