

CLOUCRYL® 2012 super matt

Characteristics



CLOUCRYL 2012 super matt with an exceptionally high-resistant and permanent matt effect. Lets surfaces appear near-natural and pristine. An especially scratch- and abrasion-resistant two-component polyurethane acrylic resin for the priming and final coating of wood or wooden materials.

- fast-drying and outstandingly sandable
- extremely durable and high-build
- hard and tough
- extremely light-resistant
- aromatic compound-free and low in odour
- water- and peroxide-resistant
- DINP-free, suitable for children's toys
- resistant to PVC seals (PVC-resistant)
- fire resistance according to DIN 4102-B1
- resistant to chemicals according to DIN 68861, Part 1, stress Group B
- highly resistant to household chemicals

Areas of application

For all kinds of intensively used furniture and associated mounted parts made of wood or wooden materials in all interior construction exposed to higher scratch and abrasion stress, as well as for the permanent preservation of the natural appearance of the type of wood. CLOUCRYL 2012 super matt is predestined for closed-pore colorless and colored varnishes of valuable surfaces to achieve durable surface resistance to chemicals. Also suitable for improving chemical and mechanical resistance (metal-marking resistance) of colored CLOUCRYL®. Ideal for coatings in restaurants, discos, offices, schools, kitchens, bedrooms or sanitary areas. Ideal for use in kindergartens and children's toys of all age groups. Can be used with hydrogen peroxide or wood stained with CLOU® Bleaching agent without causing discolorations, also for applying the topcoat and as finishing varnish of effect coatings in bright gray and pastel shades as well as on stained surfaces for preserving the original color shade.

Application

		
Application methods:	Spray gun	Airmix
Ø 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/liters):	5	5

Technical data

Mixing ratio:	10:1 with 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	super matt
Gloss level 60° angle	≥ 5 GI

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. Recommended waste code according to the European waste directory: 08 01 12 (the final determination must be coordinated through the regional waste utility).

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 isocyanates, 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)

Not suitable for use within the scope of validity of ChemVOCFarbV or EU Directive 2004/42/EC (Decopaint).

Ordering information

Item code:	
super matt	290.00005
CLOUCRYL® Hardener	1909.00000
DD-Thinner 29	29.00000

CLOUCRYL[®] 2012 super matt

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 super matt is especially suitable for bright gray or pastel shades.

To improve color 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 super matt and CLOUCRYL[®] Hardener thoroughly before use.

Prepare the varnish mix:

100 parts	CLOUCRYL [®] 2012 super matt
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 odorless 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.

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.