

CLOUCRYL Coloured Finishing Lacquer

Technical Data Sheet

Characteristics



Coloured two-component polyurethane-acrylic resin lacquer with a satin matt finish. Available in colour shades according to RAL, NCS, Sikkens and also in colours suitable for sanitary facilities.

- quick drying
- lightfast
- high solids content, good filling properties
- hard but elastic
- contains no formaldehyde
- chromium, cadmium and leadfree
- all-purpose and easy to use

Application areas

For applying colour to all kinds of interior furniture and component parts made of wood or wood derivatives. Especially suitable for often used surfaces e.g. in restaurants, kitchens or bathrooms. Optically attractive special effect lacquers are also possible.

Preparation/Application

Application methods:	 Spray gun	 Airmix	Flow-coating
Ø Spray nozzle (mm):	1.5–1,8	0.23	–
Spraying pressure (bar):	2.5–3.5	80–100	–
Quantity (g/m ²):	150-200	150-200	200
Coverage (m ² /Litre):	4-5	4-5	5

Technical Data

Mixing ratio:	10:1 with CLOUCRYL-Hardener
Pot life at 20 °C:	2 days
Dilution:	20 % DD-Thinner 29
Working viscosity:	~ 30 sec / DIN 4mm
Viscosity:	~ 80 sec / DIN 4mm
Density lacquer (g/cm ³):	~ 1.000
DIN EN ISO 2813	satin matt
Gloss level 60° angle	~ 20 GE

Drying

(at 20 °C and 50% relative humidity)

dust dry:	20 minutes
recoatable:	1–2 hours
dry to touch:	4 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 (the final determination must be coordinated through the regional waste utility). Can be stored for 3 years in sealed original containers.

Safety precautions

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.

Special instructions

If ring-proof properties are desired, use ring-proof concentrate or lacquer over with CLOUCRYL colourless.

Test standards

DIN 68861-1B (chemical resistance)

Complies with the requirements of § 35 Foodstuffs and Commodities Act (previously DIN 53160).

Ordering information

Item No.:

CLOUCRYL Finishing Lacquer	201.(+colour No.)
CLOUCRYL-Hardener	1909.00000
DD-Thinner No. 29	29.00000
Ring-proof concentrate	211.00000

CLOU[®]

CLOUCRYL Coloured Finishing Lacquer

Instructions for Use

Preparation

The surface must be firm, sustainable, dry, clean and free from grime, oil and grease. Sand down sustainable old coatings (150 grain), completely remove non-sustainable ones.

First of all, isolate absorbent surfaces (especially MDF boards) with CLOUCRYL clear glossy. Seal the surfaces of wood that has a high wood extractives content with DD-Lacquer 28 priming mixture. When using Isolating Primer CL17 a separate sealing of the surface is not necessary when applied at least twice.

Depending on the nature of the material, coat 1-3 times with Insulant Filler CL17 or CLOUCRYL Spray Filler (with critical colour shades use CLOUCRYL Master Spray Filler).

Using/Application

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

Before mixing the Finishing Lacquer stir thoroughly and shake the hardener well. Dose the hardener carefully, to ensure optimum film quality.

Paint blend:

100 parts	CLOUCRYL Coloured Finishing Lacquer
10 parts	CLOUCRYL Hardener
20 %	DD Thinner No. 29

Apply 1-2 coats of the paint blend (for two coats, apply the second one without sanding inbetween after waiting 1-2 hours).

Ring-resistance/recoatibility

Ring-resistance (i.e. resistance to metal scratches especially from jewellery made from precious metals) is obtained by the following two methods:

a) Lacquer with CLOUCRYL clear

After a drying time of 2–24 hours after applying the CLOUCRYL Coloured Finishing Lacquer, coat with CLOUCRYL clear in the desired gloss level.

b) Use of Ring-proof concentrate

Mix CLOUCRYL Coloured Finishing Lacquer in the following ratio:

3 parts	CLOUCRYL Finishing Lacquer
2 parts	Ring-proof concentrate
1 part	CLOUCRYL Hardener

This lacquer mixture is ready for spraying. After drying for seven days the film is ring-proof.

Special Instructions

Always apply the next coat immediately after sanding the surface.

On account of possible slight colour shade differences, it is always best to carry out a test first.

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.

CLOU[®]