

Universal Coating Lacquer 9200

Technical Data Sheet

Characteristics

High quality, environmentally-friendly, transparent, odourless, water based lacquer for priming and coating (based on acrylate copolymer/ polyester-polyurethane-dispersion) with good filling capacity and sanding properties. Resistant to household cleaning agents, alcohol and sealant softener. Complies with the VOC Decopaint Directive.

Recommended Use

For open-pore varnishing of wooden surfaces indoors (furniture, children's furniture, interior decoration).

Under normal use in living areas and for sealing parquet, wooden floors and wooden staircases. For heavier wear in the living area, the addition of CLOU Water-based Hardener is recommended.

Preparation/Application

Application methods	 Spray gun	 Airmix	 Brush/ Roller
Ø Spray nozzle (mm):	1.8	0.23	
Spraying pressure (bar):	2.5–3,0	80–100	
Quantity (g/m ²):	90–110	100–120	100
Coverage (m ² /Liter):	5	4–5	10

Technical Data

Dilution:	fresh water		
Working viscosity:	ready for use if necessary, dilute 3-5%		
Viscosity:	~ 30 sec / DIN 4mm		
Density (g/cm ³):	~ 1.025		
pH-value:	7.5		
DIN EN ISO 2813	satin gloss	satin matt	matt
Gloss degree 60°-angle	~ 55 GE	~ 40 GE	
Gloss degree 85°-angle			~ 35 GE

Drying time

(at 20 °C and 50% relative humidity)

dust dry:	30 minutes
recoatable:	2 hours
stackable:	10 days

Cleaning

Clean all tools immediately after use with fresh water or CLOU Cleaner for water soluble lacquers (especially for dried lacquer residues).

Storage/Disposal

Store in well sealed original containers in a cool place protected from frost. Leftover varnish must undergo special treatment and must be consigned to those authorized companies that collect special waste. Recommended waste code according to the European waste directory: 08 01 12 (the final determination must be coordinated through the regional waste utility). Dried lacquer residues can be disposed of in the normal household rubbish. Can be stored for 2 years in sealed original containers.

Safety Instructions

Do not drain into the groundwater or sewage system.

Avoid inhaling spraying mist. If necessary, use appropriate protective breathing equipment (e.g. protective mask with combination filter DIN 3181 A2P3).

Even when working with less harmful lacquers, the usual protective measures should be taken.

Special advice

When working in a water wash spray booth, the coagulation agent must be acid. Precipitated lacquer residues should be skimmed off and disposed of safely.

All water-soluble sealing lacquers have a high side-gluing (edge-gluing) effect. Therefore, critical floors (parquet on underfloor heating, solid timber floorboards, wooden pavings, resilient floors) should be treated with CLOURETHAN (based on urethane-alkyd), in order to avoid the appearance of cracks at the joinings.



The maximum VOC content permitted by the EU-Directive 2004/42 (Product category IIA/e) means in the ready-to-use state. The maximum content of Universal Coating Lacquer 9200 ready for use is < 130 g/l VOC.

Test standards

DIN 68861-1B (chemical resistance)
DIN 4102-B1 (fire resistance)

Complies with requirements of § 35 Foodstuffs and Commodities Act (previously DIN 53160).
Complies with the Directive VdL-RL 02 "Wood Lacquer Systems".

Ordering information

Container sizes: 1 / 5 / 10 / 30 Litre

Item No.:	
satin gloss	9200.00003
satin matt	9200.00000
matt	9200.00001
water-based Hardener	9409.19142

CLOU®

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Instructions for Use

Preparation

Sand down the wooden surfaces with 150 to 180 sandpaper and carefully remove dust. The surfaces must be completely dry and free of dust, oil, grease, wax and any other impurities. Woods containing resin should be treated with CLOU Deresinifier before staining.

To naturally increase the intensification of the wood tone, the surface can be treated with colour enlivening primer.

Staining

For staining, CLOU® Universal Wood Stain (UHB) products are suitable. The surfaces treated with Universal Wood Stain can be lacquered by brush or spray. All other stains can only be sprayed, as otherwise the stain effect would look smudged. Wax stain should not in general be lacquered over.

Using/Application

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

Shake or stir well before use.

Roller or paintbrush:

2–3 applications with a flat brush or roller. Use a short pile mohair or flock roller (super fine) or a paintbrush for water based lacquers. Dilute Universal Coating Lacquer 9200 with 3-5% water if necessary and do not apply too thickly.

Spraying:

2-3 applications (spray one cross-coat normally thick). Caution by airless spraying as the throughput of material is very large – do not spray too thickly! Ensure that all equipment is free from corrosion.

Apply Universal Coating Lacquer 9200 as a priming coat normally but not too thickly in order to avoid too much raising of the wood grain.

Drying

(at 20 °C and 50% relative humidity)

After a drying time of approx. 2 hours before the second coating sand lightly with 240 sandpaper. Apply a third coat if necessary only after allowing to dry overnight and sanding with 240 sandpaper.

Coatings applied too thickly and high humidity influence the drying. Air circulation (0.5–1.5 m/min.) and a higher temperature reduce the drying time.

Special instructions

Use only noncorrosive tools and containers (e.g. stainless steel or plastic).

The temperature of the lacquer and workpiece and the ambient temperature should not be lower than 15°C (danger of formation of blisters).

If the wooden surfaces are subject to heavy wear and tear, the Universal Coating Lacquer 9200 should be mixed 10:1 with water based hardener. Blend in the hardener using a stirring unit (drill + attachment), in order to ensure homogenous distribution. The blending time is around 3 minutes. The lacquer blend can be used at a temperature of 20°C for around 2 hours. Firstly apply as a priming coat. After approx. 3 hours drying time sand down with 220-240 sandpaper and then apply the lacquer as a top-coat.

By using the water-based hardener the original gloss degree changes as follows:

satingloss + water-based hardener = satin matt
satin matt + water-based hardener = matt

Care instructions

The surfaces should be cleaned damp and never wet, in order to prevent damaging effects from humidity on the joins or edges.

For floors, parquet or stairs please observe the instructions on the care products.

The above information is of a non-binding nature and is based solely on our 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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