



CLOU AQUA PUR Parquet Sealer

Characteristics

High solid, low odour, water-based two-component polyurethane lacquer with very good isolating properties on high substance wood types (such as teak, wengé). The sealing is quick-drying, extremely hard wearing, light-fast, abrasion-proof and resistant to scuffs and normal household chemicals.

After coating the specially adjusted milky-white dispersion becomes clear when dry and enables safe application since the user can always see where he has already applied the coat, thereby eliminating omitted and worn parts.

Suitable on all known wood types.
Complies with the VOC Decopaint Directive.

Use

For sealing often used floors, e.g. in schools, public buildings and authorities, restaurants, hotels, medical practices, living quarters.

Application

		
Method:	Roller	Brush
Quantity (g/m ²):	100-120	100-120
Coverage (m ² /Liter):	8-10	8-10

Technical Data

Mixing Ratio:	5:1 with CLOU AQUA PUR Hardener
Pot life at 20° C:	6 hours
Thinning:	20 % pure water
Working viscosity:	~ 22 sec / DIN 4mm
Viscosity:	~ 26 sec / DIN 4mm
Density (g/cm ³):	~ 1.035
pH-value:	7.5
DIN EN ISO 2813	satin matt
Gloss level 60° angle	~ 25 GE

Drying

(at 20° C and 50 % relative humidity)	
tack-free:	30 minutes
sandable:	5 hours
walkable:	8 hours
resilient:	14 days

Cleaning

Clean tools immediately after processing with pure water or CLOU® AQUA Cleaner (particularly for dried residues).

Storage/Disposal

Store in well-sealed original containers protected from frost. Lacquer residues must undergo special waste treatment conforming with legal regulations by authorized waste disposal companies. Recommended waste material code No. according to the European waste index: 08 01 12 (final determination must be coordinated with the regional waste utility). Dried paint residues can be disposed of as domestic waste.
Shelf life in sealed original containers: min. 24 months.

Safety precautions

Do not drain into the ground water or sewage system. (Water hazard class 1). Even when working with low-polluting paints, the usual protective measures should be taken.

CLOU® AQUA PUR Hardener and varnish mixed with hardener 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.

Special instructions



The maximum VOC content permitted by the EU-Directive 2004/42 (product category IIA/e) is 130g/l (limit 2010) in the ready-to-use state. The maximum quantity of CLOU AQUA PUR Parquet Sealer ready for use is < 130 g/l VOC.

Test Standards

DIN 68861-1B (chemische resistance)
DIN 4102-B1 (flame resistance)
DIN V 53160, Part 1, Part 2 (saliva and perspiration)
DIN EN 71, Part 3 (suitability for toys)

Ordering information

Item code:	
satin matt	9650.00001
CLOU AQUA PUR Hardener	9609.00000
CLOU AQUA Cleaner	9410.19432

Preparation

The substrate must be dry (residual humidity 8-12%) and free from oil, grease, wax, sanding dust or other impurities.

Remove any grease, oil or wax with Nitro-Thinner 790.

Wash resinous wood types with Deresinifier 499.

Graded sanding with 150-180 grit. Remove dust.

Staining

All CLOU stains except wax stain can be lacquered over.

Do not sand stained surfaces.

Observe the instructions for use in the respective technical data sheets for wood stains.

Processing/Application

Processing conditions:

Lacquer, substrate and room temperature should not be below 15 °C.

Shake or stir thoroughly both CLOU AQUA PUR Parquet Sealer and Hardener before use.

Make the lacquer mixture:

100 parts	CLOU AQUA PUR Parquet Sealer
20 parts	CLOU AQUA PUR Hardener
20%	Water

To achieve optimum hardness and resilience it is important to adhere to the above mixing ratio. First of all, thoroughly mix the lacquer and hardener components in a clean vessel. A smooth mixture of both components must be assured. Then carefully blend in the water.

Caution: Increasing the room temperature shortens the available processing time. For example, at a room temperature of 30°C the pot life is only 3 hours.

Using a nylon roller for water-based lacquers (14 mm pile) apply one undercoat to the prepared surface with CLOU AQUA PUR Parquet Sealer. After sanding remove all dust and apply the second coat. For closed pore structures apply a third coat if necessary after allowing to dry overnight and sanding.

Drying

After a drying time of approx. 5 hours carefully sand with 240 grit before applying the second coat.

When coating objects subject to high exposure three lacquer coats are necessary. Allow the object that has already been twice coated to dry overnight, carefully sand with 240/280 grit and lacquer over.

After approx. 8 hours the treated surface can be carefully walked upon. Complete hardening and chemical resistance of the coating layer is reached after 12-14 days. Only lay carpets after 2 weeks.

Optimum drying conditions

- 20 °C room temperature, 50% relative air humidity, sufficient ventilation.
- Low room temperatures can impair the film formation on the surface.
- Too low relative air humidity can cause the surface of the lacquer film to dry too quickly.
- Insufficient ventilation slows down the drying.
- Lacquer applied too thickly and high air humidity impair the drying. Good air circulation (0.5-1.5 m/min) and increasing the ambient temperature can shorten the drying time.

Special advice

Use only non-corrosive (rust-free) tools and containers (e.g. stainless steel or plastic).

Always keep the container closed. Protect the contents from drying. (skin formation). Take care when opening the container so that no dried lacquer residues fall back into the lacquer. Skin flakes or scaling do not dissolve and can only be removed by filtering (e.g. through nylon gauze.).

When using veneered surfaces or solid wood: European and also tropical woods can be sealed with CLOU AQUA PUR Parquet Sealer.

The lacquer particularly distinguishes itself through its very good isolating properties on high substance wood types (e.g. teak or wengé).

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 the care of floors, parquet or stairs, please observe the respective CLOU care instructions.

This information is of a non-binding nature and is based solely on our tests and experience. As we cannot influence the on-site application and use, no liability is expressed by the contents of this data sheet. It is the user's own responsibility to adapt the processing instructions to the prevailing working conditions and to test the suitability of the products for the intended use by carrying out a process test where necessary. Our products are manufactured for professional users with a sound basic knowledge of using lacquers, glazes and stains. When unsure, our applications and laboratory technicians can advise to the best of their knowledge. The advice is non-binding unless confirmed in writing. Naturally we guarantee the quality of our products. Our general terms of sale and delivery apply.