

WB PU CLEAR MATT

Product No. **LEED10252DP**

[Leed Certified - Water Based - For Interior]

PU Clear Matt is a totally odourless waterborne product suitable for the varnishing of indoor such as doors and furniture. It is used as a finish on pieces previously treated with clear water base-coat. It shows a top performance in terms of clearness, drying and hardness, such as to be compared to traditional polyurethane finish. It has low solvent content and excellent flow leveling. **[This material is following the LEED certificate CREDIT C4.2, as per the rules 1113 for the architectural coating, it has a VOC less water and exempt solvents less than 24.5 g/l.]**

USES

It is used as a basecoat on pieces previously sanded, suitable for the varnishing of indoor, such as doors and furniture.

CHARACTERISTICS

Properties

- Leed Certified
- Good Adherence
- Very Good Covering
- Friendly Environment
- Very Good Plasticity
- Good Sand ability

Color	: Transparent
Specific gravity	: 1.02 Kg/lit [± 0.025]
Weight Solids	: 40% [± 2]
Visco.Ford 4/25°C	: 50 (± 1) Sec

Drying Time

Dust Free	: 30 min.
To Touch	: 60-90 min. at 25°C
To Sand	: 4 hrs.
To Stack	: 24 hrs.

These values undergo considerable changes according to environmental temperature. In winter time, the flow levelling of the product applied is reduced, therefore we suggest varnishing in the first hours of the working cycle in order to guarantee a constant and an acceptable temperature during product drying.

Warning: the product fears freeze; do not keep and do not work with temperature below 5°C.

Good airing favors quicker drying even deep drying.

SURFACE PREPARATION

All timber species must be fully aged with a moisture content of less than 15%. Surface must be dry, clean and free from contaminations. Natural oil or gum must be removed by solvent cleaning. We suggest a good sanding of the wood substrate before applying [LEED10252DP] PU Clear Matt

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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Apply one or two coats of basecoat according to the desired covering required.

PRODUCT PREPARATION

Stir product well with a flat paddle. Thin to required viscosity. For details of spray equipment contact Ritver Technical Services Department.

This product needs Catalyst in order to enhance the physical and chemical properties and to get better hardness and scratch resistance.

CATALYST CP0101@5%

WATER 10%

Dilution

Product ready for use. Eventually it is possible to dilute with water at 5-10% max.

APPLICATION METHODS

Depends on the finishes required but in general an appropriate rate is between 130 gr / sq. m. The number of coats depends on the surface preparation the porosity of the substrate, and the finish required.

Following Treatments

By spray gun. The product is ready for use; in winter time it is not advisable to thin down the product but it is recommend to use the pre-heater set between 35°C and 45°C; in warmer times it is advisable to thin down the product from 5% up to 10% max. with water and to use the pre-heater at a max. temperature of 35°C.

The product viscosity generally enables the application of 100-120 micron humid thickness without dripping; it is not advisable to apply higher thickness as film sanding and flow levelling would be impaired.

It is possible to apply two coats of LEED10252DP within 2-3 hrs. without sanding; beyond this time

limit, we recommend to comply with 24 hrs. of complete drying and then sand and apply the following varnish coat.

In order to varnish large pore substrates, we recommend thinning with water up to 10% for the first coat and 5% for the following one.

Suggested nozzle: for airless 09 fixed or 015 adjustable at 4 atm/bar of pressure; for normal spray gun 2.0 mm. at 3.5-4 atm/bar of pressure.

Check very carefully that the spray-gun does not show any trace whatsoever of solvent from previous applications. It is advisable to wash varnishing tools immediately after use.

CLEANING

Cleaning

Clean all tools and equipment immediately after use with water.

As waterborne varnishing have lesser resistance against aggressive chemical agents compared to traditional varnishes, we recommend to clean the piece with water and neutral detergent. Ammonia and/or alcohol base solutions can seriously damage the film. Should aggressive solutions be spilled such as liquors, and similar drinks and/or very hot beverages like coffee, tea etc., we recommend to clean quickly the surface with cloth soaked in water.

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PACKING & STORAGE

Available in USG, 5USG.

Store in a cool and well ventilated place. Keep away from direct sunlight. Maximum 18 months in unopened container, stored in a cool and dry condition at 25°C.

Glueing:

Check the type of glue used before varnishing the pieces with waterborne products: glues having a holding value below B3, can cause the following problems:

- Breakaway of the veneering from the substrate, blistering and ensuing damage of the varnishing piece
- Pore raising
- Film bleaching caused by re- solubilization of the glue resins into the waterborne varnishing

Following coats

Comply with the drying time between the basecoat and the finish as pore raising may occur if pores are too much reduced

Blocking

The product is provided with good resistance against blocking: it is however a thermoplastic varnish, therefore it is necessary to evaluate each time storage and stacking conditions of the varnished piece avoiding the contact in between varnished

Tannin

Check very carefully the type of timber to varnishing. In fact oak, chestnut, iroko, niangon, meranti, cedar, and hard exotic timbers with large pore generally contain inhibiting substances, which tend to leak if you use varnishing reducible by water. This inconvenience does not occur always and therefore it is difficult to explain it or to find a really effective remedy. If many tannin leaks occur (small black cylindrical "vulcanoes"), we suggest to sand the surface and apply a new layer of finish.

SAFETY & FLAMMABLE

This material is flammable and must not be exposed to naked flames.

Use only in well ventilated areas. In case of insufficient ventilation during application wear suitable respiratory equipment. Do not breathe vapor / spray. In case of contact with eyes, rinse immediately with plenty of sweet water and seek medical advice. In case of contact with skin, wash immediately with soap and water or a recognized skin cleanser.

Keep away from sources of ignition. No Smoking. Keep out of reach of children.

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