

General Description:

PU MULTICOAT CLEAR is a premium self-sealing lacquer based on acrylic resins and special additives. It provides a smooth finish with good flexibility, light fastness and excellent resistance to mechanical and chemical stress. It is a fast drying lacquer with extremely surface hardness and good scratch resistance.

Major Uses:

PU MULTICOAT CLEAR is excellent clear coat for solid and veneered timber or MDF for wood furniture such as beds, table top, cabinets, chairs, sofas, doors, paneling, ornamental work, hand rails and frames.

It is more suited to open pore finishing. Dries to a tough, durable, mar and stain resistant surface. Suitable for application to almost interior fixtures and fittings, including kitchen and bathroom substrates where an attractive and durable finish is required.

Characteristics

- Fast drying
- Excellent flow and wetting properties
- Excellent durability against chemical and mechanical stresses
- Excellent clarity in gloss and matt after drying
- Medium build properties for excellent open grain appearance
- Modified with unique raw materials that provide ultimate surface slip and scratch resistance
- Good flexibility
- Good waterproofing properties
- Excellent stain resistance
- Good solvent and moisture resistance
- Non yellowing and non fading

Physical Properties:

Appearance	Clear
Specific Gravity	0.933 kg/L
Viscosity @ 25°C	25" FC # 4
Flash Point	20°C
Non-volatile	24%
Gloss	Matt/Semigloss/Gloss
Application condition:	
Air temperature	20 ~ 35°C
Relative humidity	85% max
Application method	Auto / conventional Airless spray
Number of coats	3 – 4 max 450 g/m ²
Recommended Catalyst	Catalyst # 126
Thinner	PU Thinner # 105/205
Mixing ratio(%wt.)	Base: Catalyst: Thinner
Viscosity = 13~15"	100 10 15-20
Pot life @25°C	6-8 hours
Drying time:	
Dust free	20 – 30 min.
Touch free	30 – 45 min.
Stackable	16 – 24hours
Full dry	3 days
Coverage	6 - 8 m ² /L (120 – 150 g/m ²)
Pencil Hardness	3H

Surface Preparation:

- All pre-sealed surfaces to be coated must be dry, clean and free from contaminants. Prior to application, the surface should be sanded to a smooth finish with fine sandpaper, working in the direction of the grain.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

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- Ensure that the surface is free from oil, grease and dust. Remove strange materials with compressed air or cleaning cloth.

Application Process:

If possible, all sharp edges must be rounded off, ensure substrates are sanded with suitable grit sand paper before application of coating. If coating with high gloss, 600-800 grit sand paper is recommended.

To a well – prepared surface, apply 1-3 coats of PU MULTICOAT CLEAR, horizontally and vertically with a maximum consumption of 360-480 g/m².

Application Details:

Conventional Spray	
Nozzle orifice	1.4 – 1.6 mm.
Nozzle pressure	43 – 57 psi
Dilution	20 – 25%
Thinner	Thinner 205/305
Airless Spray	
Nozzle orifice	0.23 – 0.28 mm.
Nozzle pressure	1710 - 2000 psi
Dilution	5 – 10%
Thinner	Thinner 205/305

Limitations:

- PU MULTICOAT CLEAR should not be used and dried at a temperature below 18°C and below 40% relative humidity. Ideal values: 20-35°C with a relative humidity of 50-80%. Deviations lead to a drying problems or improper hardening. In order to avoid adhesion problem, sand the PU lacquered surfaces before applying the fresh lacquer and apply lacquer to the sanded surface as soon as possible.
- Over coating information is given for guidance only and is subject to local climate and environmental conditions.
- This product is not suitable for dipping or immersion application.

- Technical and application data herein mention is for the purpose of establishing a general guideline of the coating application procedures.
- Unmixed material should be maintained in close container and must be disposed with the national regulations of the local authority.

Storage:

Shelf life of 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in, 1 USG, 20lit Pail, and 200lit Drum.

Precautions:

PU MULTICOAT CLEAR and Catalyst # 126 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU MULTICOAT CLEAR is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

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