

## General Description:

PU MATT AS CLEAR is a premium polyurethane clear lacquer based on poly – functional saturated polyester resins and special additives, to provide smooth and satin finish with excellent resistance to mechanical and chemical stress. It has extremely surface hardness and good scratch resistance.

## Major Uses:

PU MATT AS CLEAR is excellent for wood furniture such as beds, table top, cabinets, chairs, sofas, doors, hand rails and frames.

## Characteristics and Physical Properties:

Appearance	Opaque
Specific Gravity	1.0 kg/L
Viscosity @ 25 <sup>0</sup> C	35-40" FC # 4
Flash Point	20 <sup>0</sup> C
Non-volatile	48-50%
Gloss	10 <sup>0</sup> /20 <sup>0</sup> /30 <sup>0</sup> /40 <sup>0</sup>
Application condition:	
Air temperature	5 ~ 35 <sup>0</sup> C
Relative humidity	85% max
Application method	Auto / conventional spray
Recommended catalyst	Catalyst # 023
Thinner	PU Thinner # 105/205
Mixing ratio(%wt.)	Base : Catalyst: Thinner
Spray visc. = 13~15"	100     50     20-25
Pot life@25 <sup>0</sup> C	2~3 hours
Drying time:	
Dust free	20 – 30 min.
Touch free	30 – 45 min.
Recoat	1 – 2 hours
Hard	48 - 72 hours
Coverage	8 – 10 m <sup>2</sup> /L ( 100 – 120 g/m <sup>2</sup> )
Pencil Hardness	7-8 Newton (Erichsen)

## Surface Preparation:

- Surface to be top coated must be primed with PU Sealer, Primeseal or Polyester Sealer.
- It should be cleaned, well – sanded and free from dust, oil water and other contaminants.
- To a well – prepared surface, apply 1-2 coat of PU MATT AS CLEAR, horizontally and vertically.
- One or two coat may be sufficient for ordinary finish; however, to obtain a good finish, additional coat can be applied wet to wet if necessary. Light sanding with 400-600 grit sandpaper is recommended before subsequent coat when recoating exceeds 3 hrs. and remove traces of wax.
- Full hardness can be achieved after 3 days after the application.

## Storage:

Shelf life of 12 months minimum if stored below 25<sup>0</sup>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 MATT AS CLEAR and Catalyst # 023 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU MATT AS CLEAR is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

*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.*

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