



# PU HARDTOP MATT CLEAR

## General Description:

PU HARDTOP MATT CLEAR is a transparent polyurethane varnish based on poly – functional saturated polyester resins and special vinyl product to provide smooth and satin finish varnish with good covering properties and excellent hardness.

## Major Uses:

PU HARDTOP MATT CLEAR is excellent for wood furniture such as tables, turned pieces, chairs, sofas, doors and frames that require an anti-scratch finish.

## Characteristics and Physical Properties:

Appearance	Transparent Liquid
Specific Gravity(20°C)	0.93 – 0.97
Viscosity(25°C,FC # 4)	35-50 / FC # 4 @ 25°C
Flash Point	20°C
Non – Volatile (Wt.%)	Base Hardener 48 +/- 0.5 30 +/- 0.5
Gloss (60°)	10/20/30/40
Application Condition Air Temperature Relative Humidity	5 ~ 35°C Max. 85%
Application Method	Conventional or Automatic
Thinner	PU Thinner # 105
Mixing / Dilution Ratio (wt%) (FC # 4 13 ~ 15 sec.)	Base : Hardener : Thinner 100 50 25 ~ 30
Pot Life (20°C )	3 ~ 4 hrs. (Diluted)
Drying Time Dust Free To Touch To Recoat Hard	10 – 15 min. 30 – 45 min. 2 – 3 hrs. 24 – 36 hrs.
Coverage	8 ~ 10 m <sup>2</sup> /lit. (80-120gms/m <sup>2</sup> )
Pencil Hardness	H – 2H
Recoating	one coat may be sufficient for ordinary finish however; one additional coat can be applied wet on wet if necessary. Light sanding with 400 ~ 600 mesh sand paper is recommended before subsequent coat when recoating time exceeds 3 hrs. and remove traces of wax.
Recommended Under Coat	PU Sanding Sealer

## Surface Preparation:

- The surface to be top coated should be primed with either Polyurethane 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 coats of P.U. HARDTOP MATT CLEAR, horizontally and vertically.
- To obtain a perfect finish coat, sand it again with a very fine sand paper and repeat the top coating process.

## 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 lit, 1 Usg, 20lit Pail, and 200lit Drum.

## Precautions:

P.U. HARDTOP MATT CLEAR and Catalyst # 034 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. P.U. HARDTOP MATT CLEAR is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

*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.*

FACTORY : P.O. BOX NO: 23085,SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E  
 TEL : 06 – 5311777, FAX 06 - 5311330:  
 SHOWROOM : P.O. BOX NO: 23085,INDUSTRIAL AREA, SHARJAH, U.A.E  
 TEL : 06 – 5328533, FAX 06 - 5328610  
 Website : <http://www.maspaints.com/> Email : masuae@emirates.net.ae



**D-111/2004**