



# PU MATT (PIGMENTED)

## General Description:

PU MATT (PIGMENTED) is a coloured topcoat based on poly – functional saturated polyesters. It is formulated for wood application to give an excellent satin finish with good covering properties.

## Major Uses:

PU MATT (PIGMENTED) is excellent for wood furniture, cabinets, bed sets, interior doors and frames.

## Advantages:

- For interior/exterior application.
- Excellent hardness.
- Excellent weather/water resistance.
- Good adhesion and abrasion properties

## Characteristics and Physical Properties:

|  |  |
|--|--|
| Appearance   | Liquid pigmented   |
| Colour   | RAL/NCS/APS  |
| Specific weight  | 1.23 +/- 0.2 kg/L  |
| Viscosity (FC # 4 @25°C)                                       | 60 – 75"   |
| Flash point  | 20°C   |
| Non-volatile (%wt.)  | 60 +/- 0.5   |
| Gloss (60°)  | 10 / 20 / 30   |
| Application condition:<br>Air temperature<br>Relative humidity | 5 ~ 35°C<br>85% maximum                                    |
| Application method   | Automatic or<br>Conventional Spray                         |
| Recommended catalyst   | Catalyst # 013   |
| Thinner  | PU Thinner # 105/205                                       |
| Mixing/Dilution ratio<br>(Visc: 13~15" FC # 4)                 | Base:Catalyst: Thinner<br>100 : 50 : 20-25                 |
| Pot life (25°C)  | 2 – 3 hours  |
| Drying time:<br>Dust free<br>To touch<br>Recoat<br>hard        | 15 – 17 min<br>45 – 60 min<br>2 – 3 hours<br>24 – 36 hours |
| Hardness   | 4H   |
| Coating rate   | 6 – 8 m <sup>2</sup> /L                                    |
| Basecoat   | PU Primer 153 / SP<br>and Plastofil 350                    |

## Method of Application:

- The surface to be coated should be primed with PU or Polyester Primer.
- 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 PU MATT (PIGMENTED), horizontally and vertically
- PU Matt (PIGMENTED) when applied by curtain coater, the viscosity of the lacquer should be controlled and monitored for the continuity of the finish. Thinners should be added at pre-set periods to compensate the loss of solvent due to evaporation during application.
- 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 grit sand paper is recommended before subsequent coats, when recoating time exceeds 3 hours.

## Storage:

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

## Packing:

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

## Cleaning of Tools:

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

## Physiological Hazards:

PU MATT (PIGMENTED) and Catalyst # 013 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 (PIGMENTED) 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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