

General Description:

PU MATT CLEAR SS is a low VOC transparent PU varnish based on a very high solid resin, to provide smooth and satin finish with excellent covering properties and hardness. PU MATT CLEAR SS meets the VOC content limit of Annex II, Phase II, Table A of European Directive 2004/42/CE:2004

Major Uses:

PU MATT CLEAR SS is excellent for wood furniture such as beds, cabinets, chairs, sofas, doors and frames.

Characteristics and Physical Properties:

Appearance	Opaque
Specific weight	1.09 kg/L
Flash point	25°C
Solid content (wt.%)	68+/-0.5
VOC	500 g/l
Gloss (60°)	20 / 30 / 40
Application condition: Air temperature Relative humidity	5 ~ 35°C Max. 85%
Application method	Auto or conventional spray
Recommended Catalyst	PU Catalyst # 160
Thinner	PU Thinner 225
Mixing / Dilution ratio Viscosity (15~20" FC#4)	Base : Catalyst : Thinner 100 75 20-25
Pot life (25°C)	2 – 3 hours
Drying time: Dust free To touch Recoat Hard	15 – 20 min. 30 – 45 min. 1 – 2 hrs. 24 – 36 hrs.
Coverage	6 ~ 8 m ² /li.
Pencil hardness	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 sandpaper is recommended before subsequent coat when recoating time exceeds 3 hrs. Ensure to remove traces of wax

Surface Preparation:

- The surface to be top coated should be primed with either Polyurethane Super Sealer, Uviseal 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. MATT CLEAR SS, horizontally and vertically.
- To obtain a perfect finish coat, sand it again with a very fine sand paper and repeat the top coating process.
- Please take note that due to the high solids of the material, spray application should be taken care of as it will result to some film faults.
- Ensure that the temperature during application should not be more than 35°C and relative humidity is less than 85%. Slow drying thinner is recommended to avoid the formation of microbubbles and orange peel effect.

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 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail

Precautions:

P.U. MATT CLEAR SS and Catalyst # 160 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. MATT CLEAR SS 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.

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