



# TECHNICAL DATA SHEET PRISTINE PU CLEAR MATT

## Description

Polyurethane Clear Matt provides the subtle matte finish, which ensures that wood grains are well highlighted with masked imperfections, gives excellent chemical and scratch resistance. It is suitable for application over wooden surfaces in interior, and has an applicable pot life of 3 hrs.

## Product

**WPTCU011L01I**

## Woods for which the product is suitable

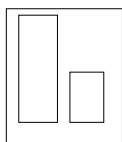
- Hard wood
- Vineer Ply wood

## Product Properties      POLYURETHANE CLEAR MATT

In Can Appearance :Free Flowing Liquid Slightly Yellowish tone  
In Can Viscosity :90 ± 5secs @30°C Ford cup B4  
Non Volatile Material :50 ± 2%  
WPL ( weight per litre) :0.98 ± 0.02 gm./ml  
Shelf Life :1 Year (from date of mfg.)

\*\* Note – Product shelf life is determined at minimum temperature 10°C (50° F) maximum temperature 35°C (95°F)

## Mixing Ratio



2 Parts by Volume - Pristine Matt Clear  
1 Part by Volume – Pristine Matt hardener  
  
2:01

## Complementary Products

## Quantities

Hardner	Pu Matt Hardener	In weight w/w %	48.5
		In volume v/v %	50
	Solid Content	27± 2	
Thinner	Pu Medium Thinner	In weight w/w %	45
		In volume v/v %	50

## READY TO USE PRODUCT PROPERTIES

	Solid content 1st +2nd component(%)	42 ± 2
	Pot life @ 30°C	3-3.5 hrs
	Viscosity (Ford 4 cup)	18 ± 2
Application	Quantities	
	Curtain	gr/m <sup>2</sup> min-max: 150 - 160
	Hand spray	gr/m <sup>2</sup> min-max: 150 - 160
Code/Gloss	CODE	Gloss level EN ISO 2813 (angle measurement 60°)
	WPTCU011L01I	Sheen- 13 ± 2

PRISTINE PU

## Surface Preparation



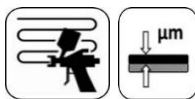
- Make Sure Proper Sanding of the Panel is done with #320-400 Mess
- No dust Particle should be present on the surface
- Remove all dust from surface using clean quality rags or wiping towels.
- Apply 2 Coat of Pristine clear sealer,
- Sand the panel Properly, make sure no orange peel is seen on the panel.
- Apply 2 Coats of Pristine PU Clear Matt

## Spray Gun Set Up



- Gravity Feed (Orifice) – 1.4 – 1.6 mm
- Air Pressure – 35-40 psi (2.4 – 2.75 Bar) at spray gun inlet.

## Application



Spray Gun

- 2 Coat Applications
- (65 – 75)  $\mu$  - spray Gun 1.4mm / (85-100)  $\mu$  Spray Gun Nozzle – 1.6mm For

- Flash Off in Between Coats – 2 -3 min @30°C, RT – 65%

## Products and Additives

Pristine Pu Clear matt

Pristine Pu Matt

Pristine Pu Thinner

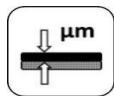
## Product Properties After Application



- Dust Free Time: 15 – 20
- Touch Dry : 30-35
- Handability Dry - 3-3.5 hours @30°C

\*Note – All results are considerable at RT – 30°C & RH – 65%.

## Coverage



Theoretical Coverage – 40-45 Sq. ft. per litre At 60-65 Microns DFT at 30°C. The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, application pressure, application method and application circumstances.

## Product Performance Properties

- Gloss - Matt finish
- Orange Peel – No orange Peel
- Cross Hatch adhesion – 2 mm (100\*100mm)
- PU Thinner Rub test – 20 times -Pass
- Finish-smooth
- Humidity Resistance – 240 C x RH 90% x 500hrs.
- Water resistance - 40°C/500 Hrs
- Alkali TEST (5% NaCl solution)– Pass
- Acid Test (5%H2SO4)- Pass
- PU Thinner Rub test – 20 times-Pass

\*\*Note – Product Shelf Life is determined when product is stored unopened at 30°C(86°F). Avoid Much temperature Fluctuation.