



**TECHNICAL DATA SHEET**  
**PRISTINE PU CLEAR HGLOSS**

**Description**

Polyurethane Clear Hgloss is high quality premium finish, provides the best in class mirror- like shine. medium solid fast drying. It is suitable for application over wooden surfaces in interior and has an applicable pot life of 3 hrs

**Product**

**WPTCU019L01I,WPTCU019L12I**

**Woods for which the product is suitable**

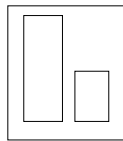
- Hard wood
- Soft wood
- Veneer Ply wood

**Product Properties      POLYURETHANE CLEAR HGLOSS**

In Can Appearance      :Free Flowing Liquid Slightly Blue tone  
 In Can Viscosity        :45 ± 5 Sec @30°C Ford Cup B4  
 Non Volatile Material    :52 ± 2%  
 WPL ( weight per litre) :1 ± 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**



1 Parts by Volume – Pristine Clr Hgloss  
 1 Part by volume – Pristine Clr HGloss hardener  
 0.2 Part by Volume- Pristine Pu Slow Thinner  
**2:1:0.2**

**Complementary Products**

**Quantities**

Hardner	Pu Clr HGloss Hardener	Quantities		
		In weight w/w %	100	
		In volume v/v %	100	
	<b>Solid Content %</b>	<b>36± 2</b>		
Paint Mixing Qty(by volume & Weight)	<b>Paint by Volume</b>	Base-400 ml	Hardener-400 ml	Thinner-200 ml
	<b>Paint By Weight</b>	Base-400 gm	Hardener-400 gm	Thinner- 180 gm
Thinner	Pu Medium Thinner	In weight w/w %	18	
		In volume v/v %	20	

**READY TO USE PRODUCT PROPERTIES**

	Solid content 1st +2nd component(%)	45 ± 2
	Pot life @ 30°C	3-3.5 hrs
	Viscosity (Ford 4 cup)	17 ± 2
Application		Quantities
	Curtain	gr/m <sup>2</sup> min-max: 120 - 180
	Hand spray	gr/m <sup>2</sup> min-max: 120 - 180
Code/Gloss	CODE	Gloss level EN ISO 2813 (angle measurement 60°)
	WPTCU019L01I	100±5unit @ 60°

**PRISTINE PU CLR HGLOSS**

**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 CLR HGloss

**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

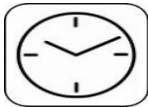
- 2 Coat Applications
- (65 – 75)  $\mu$  - spray Gun 1.4mm / (85-100)  $\mu$  Spray Gun Nozzle – 1.6mm For

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

**Products and Additives**

Pristine Pu HGloss Clear  
 Pristine Pu HGloss Hardener  
 Pristine Pu Slow Thinner

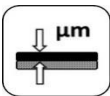
**Product Properties After Application**



- Dust Free Time: 30 min
- Touch Dry : 15 min
- Handability Dry - 4-4.5 hours @30°C
- Hard Dry - 24 Hr

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

**Coverage**



Theoretical Coverage – 40-42 Sq. ft. per litre At 65-70 Microns DFT at 30<sup>o</sup>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 - Glossy 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.