



# TECHNICAL DATA SHEET **INFINITY EXT. CLEAR SATIN BASE**

Version-1

## Description

Infinity Ext. Clear Satin Base is an excellent polyurethane finish for wood with excellent finish, scratch resistance and non-yellowing properties. It is synthetic coating that are highly durable and water resistant. This Base will be used for colour tinting purposes using tinters from ATS machine.

## Product

**WIFCX000F36I - WIFCX000M90I**

## Woods for which the product is suitable

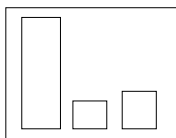
- Hard wood
- Vineer Ply wood

## Product Properties

In Can Appearance : Free Flowing Liquid  
 In Can Viscosity : 65 ± 7 secs @30°C Ford cup B4  
 Non Volatile Material : 42 ± 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)  
 -In 700 ml. Int. Clear Matt base toner to be added from ATS machine up to 10- 50ml.

## Mixing Ratio



4 Parts by Volume – Infinity Ext. Clear Satin Base  
 1 Part by volume – Super hardener  
 30 - 35% by Volume- Pu Medium Thinner

## Complementary Products

## Quantities

Hardener	Pu Clear Hardener	In weight w/w %	25	
		In volume v/v %	25	
	<b>Solid Content %</b>	<b>44± 2</b>		
Paint Mixing Qty(by volume & Weight)	<b>Paint by Volume</b>	Base-500 ml	Hardener-125 ml	Thinner-210 ml
	<b>Paint By Weight</b>	Base-500 gm	Hardener-125 gm	Thinner-210 gm
Thinner	Pu Medium Thinner	In weight w/w %	34	
		In volume v/v %	34	

## READY TO USE PRODUCT PROPERTIES

	Solid content 1st +2nd component(%)	42 ± 2
	Pot life @ 30°C	2.5 - 3 hrs
	Viscosity (Ford 4 cup)	18 ± 1
Code/Gloss	CODE	Gloss level EN ISO 2813 (angle measurement 60°) 15
	WPTCU011L01I	15 ± 1

INFINITY EXT. CLEAR SATIN

## Surface Preparation



- Make Sure Proper Sanding of the Panel is done with #220-320 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 (#320-400 Mess) Properly, make sure no orange peel is seen on the panel.
- Apply 2 Coats of Infinity Clear Matt Base.

## 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) µ - spray Gun 1.4mm / (85-100) µ Spray Gun Nozzle – 1.6mm For

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

## Products and Additives

Infinity Ext. Clear Satin Base

Super Hardener

Pu Medium Thinner

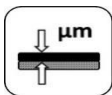
## Product Properties After Application



- Dust Free Time : 15 – 20 min
- Touch Dry : 30-35 min
- Handability Dry : 2.5-3.5 hours @30°C

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

## Coverage



Theoretical Coverage – 40-45 Sq. ft. per litre At 45-55 Microns DFT at 30C. 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.