



**TECHNICAL DATA SHEET**  
**KOSMIC CLEAR Int SEALER**

**Description**

Kosmic Clear int Sealer is the best in class premium sealer, High solid fast drying, good sandability. It is suitable for application over wooden surfaces in interior, and has an applicable pot life of 3 hrs.

**Product**

**Woods for which the product is suitable**

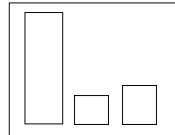
- Hard wood
- Veneer Ply wood
- Aluminum
- Glass
- FRP
- MS

**Product Properties**      **POLYURETHANE CLEAR SEALER**

In Can Appearance      : Free Flowing Liquid  
 In Can Viscosity        : 110 ± 5 secs @30°C Ford cup  
 B4 Non Volatile Material : 48 ± 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**



4 Parts by Volume – Kosmic Clr int Sealer  
 1 Part by volume – Kosmic clr Sealer hardener  
 30 - 35% by Volume- Pu Medium Thinner

Complementary Products		Quantities		
Hardner	<b>Pu Clear Sealer Hardener</b>	In weight w/w %	25.49	
		In volume v/v %	25	
	<b>Solid Content %</b>	<b>54 ± 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-127.4 gm	Thinner- 213 gm
Thinner	<b>Pu Medium Thinner</b>	In weight w/w %	34	
		In volume v/v %	34	

**READY TO USE PRODUCT PROPERTIES**

	Solid content 1st +2nd component(%)	50 ± 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°)
	WPTCU011L01I	NA

**KOSMIC CLEAR Int SEALER**

## Surface Preparation



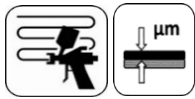
- Make Sure Proper Sanding of the Panel is done with #220-320 Mess
- No dust Particle should be present on the surface
- Remove all dust from surface using clean quality rags or wiping towels.
- Apply 2 Coat of Kosmic clear sealer,
- Sand the panel Properly, make sure no orange peel is seen on the panel.
- Apply 2 Coats of Kosmic Clear Matt/ Clear High gloss

## 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

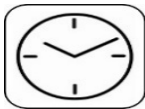
- 2 Coat Applications
- (65 – 75)  $\mu$  - spray Gun 1.4mm / (85-100)  $\mu$  Spray Gun Nozzle – 1.6mm For

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

## Products and Additives

Kosmic Clear Int Sealer  
 Kosmic Clear Sealar Hardener  
 Pu Medium Thinner

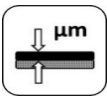
## Product Properties After Application



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

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

## Coverage



Theoretical Coverage – 35-40 Sq. ft. per litre At 80-90 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 - Semi-Matt finish
- Orange Peel – No orange Peel
- Cross Hatch adhesion – 2 mm (100\*100mm)
- PU Thinner Rub test – 10 times -Pass
- Finish-smooth

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