



TECHNICAL DATA SHEET
KOSMIC INT. CLEAR SATIN BASE

Version-1

Description

Kosmic Int. 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

Woods for which the product is suitable

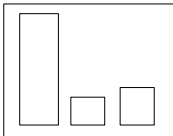
- Hard wood
- Veneer Ply wood
- Mdf
- Glass
- Aluminium
- MS

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 – Kosmic Int. 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	
Solid Content %		44± 2		
Paint Mixing Qty(by volume & Weight)	Paint by Volume	Base-500 ml	Hardener-125 ml	Thinner-210 ml
	Paint By Weight	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°)
	GLOSS @ 60 DEGREE	15 ± 1

KOSMIC INT. CLEAR SATIN BASE

KOSMIC INT. CLEAR MATT BASE

Surface Preparation



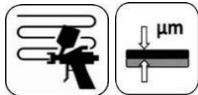
- Make Sure Proper Sanding of the Panel is done with #220-320 Mess
- No dust Particle should be present on the surface
- Remove all dust from surface using clean quality rags or wiping towels.
- Apply 2 Coat of Pristine clear sealer,
- Sand the panel (#320-400 Mess) Properly, make sure no orange peel is seen on the panel.
- Apply 2 Coats of Kosmic 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

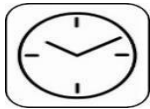
- 2 Coat Applications
- (65 – 75) μ - spray Gun 1.4mm / (85-100) μ Spray Gun Nozzle – 1.6mm For

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

Products and Additives

Kosmic Int. Clear Satin Base
 Super Hardener
 Pu Medium Thinner

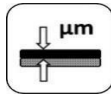
Product Properties After Application



- 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.