



TECHNICAL DATA SHEET
KOSMIC INT. WHITE HIGH GLOSS BASE

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Description

Kosmic White High gloss base is high solid fast drying, early hardness pickup, and has applicable pot life of 3 hrs, high abrasion resistant, with high build coating & a pencil Hardness of 2H.

Product

RIFSQ101L01I

Woods for which the product is suitable

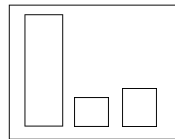
- Non resinous softwood
- Light colour hardwood
- MDF

Product Properties

In Can Appearance : Free Flowing White Liquid
 In Can Viscosity : 90 ± 10 secs @30°C Ford cup B4
 Non Volatile Material : 61 ± 2%
 WPL (weight per litre) : 1.18 ± 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 Int. white high gloss base
 1 Part by volume – Super hardener
 30 - 35% by Volume- Pu Medium Thinner

Complementary Products

Quantities

Hardener	Super Hardener	In weight w/w %	21	
		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-105 gm	Thinner- 205 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(%)	58 ± 2
	Pot life @ 30°C	2.5 - 3 hrs
	Viscosity (Ford 4 cup)	18 ± 2
Application	Quantities	
	Curtain	gr/m ² min-max: 160 - 180
	Hand spray	gr/m ² min-max: 160 - 180
Code/Gloss	CODE	Gloss level EN ISO 2813 (angle measurement 60°)
	WPTCU011L01I	> 90 unit

Surface Preparation



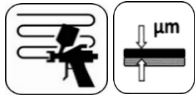
- Make Sure Proper Sanding of the Panel is done with #220-320 Mess
- No dust Particle should be present on the surface
- Remove all dust from surface using clean quality rags or wiping towels.
- Apply 2 Coat of Kosmic white filler,
- Sand the panel (#320-400 Mess) Properly, make sure no orange peel is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

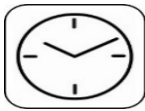
- 2 Coat Applications
- (65 – 75) μ - spray Gun 1.4mm / (85-100) μ Spray Gun Nozzle – 1.6mm For

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

Products and Additives

Kosmic Int. white High Gloss Base
 Super Hardener
 Pu Medium Thinner

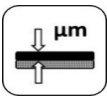
Product Properties After Application



- Dust Free Time : 50 – 60 min
- Touch Dry : 1.5 - 2 hours
- Handability Dry : 5 - 6 hours @30°C

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

Coverage



Theoretical Coverage – 50-55 Sq. ft. per litre At 100-120 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 - 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.