Nax Radiant PU UV White Filler

RAR.01.001.020422

Professional use only

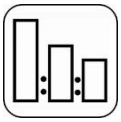
Description

Radiant U.V White Filler is high performance Filler which provides excellent hardness, Fast drying and good chemical resistance. Product is designed for suitability for interior and exterior applications.

Suitable Substrates

Hard wood, MDF. Plyboard, M.S

Substrates



100	Nax Radiant PU UV White Filler
25	Nax Radiant White Filler Hardener
25-30%	Nax Radiant PU Thinner T

Mixing

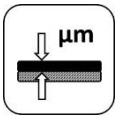
Spray-gun setup: Gravity fed | 1.4-1.6 mm

Application Pressure: 1.7-2.2 bar | 28-30 psi | At spray-gun air inlet

HVLP max 0.6-0.7 bar (8-10 psi) at the air cap

Spraygun setup

2 coats



80-90 µm

Application

Between coats: 8 - 10 minutes at | 30°C | 86°F

Before 60°C (140°F) baking: 10-15 minutes at | 60°C | 140°F

Flash-off

Drying	30°C (86°F)	60°C (140°F)
Dust dry	25 min.	-
Dry to Sanding	4-5 hrs.	-
Dry to polish	NA	-

Drying

30 Min	60 Deg C

IR Drying

Use suitable respiratory protection

Nippon Paint Automotive Refinishes recommends the use of fresh air supply respirator.

PPE

For detailed information read entire TDS

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Notes: *Follow recommended flash off and re-coating time of the basecoat.*

Product and Additives

Product	Nax Radiant PU UV White Filler	
Hardener	Nax Radiant White Filler Hardener	
Reducers	Nax Radiant PU Medium Thinner	20-35°C
	Nax Radiant PU Slow Thinner (High Temperature)	35-45°C
	Nax Superio Medium 400 PU Thinner	5-20°C
Additives	Nax Softener	

Basic Raw Materials

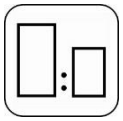
Nax Radiant PU UV White Filler	Polyester Polyol
Nax Radiant White Filler Hardener	Poly-isocyanate resin
Nax Radiant PU Medium Thinner	Blend of solvents

Properties

Appearance-	White free Flowing Liquid
Viscosity @ 30°c	100±10 sec
% NVM	66±2

Notes: *Hard plastic requires no softener. Stir well after adding the additive*

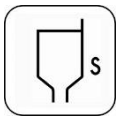
Mixing



Standard	Fast	Std. Flexible	Fast Flexible	◄ Application
100				Nax Radiant White Filler (by vol)
25				Nax Radiant White Filler Hardener(by vol)
-				
25-30				Nax Radiant PU Medium Thinner/Slow/ Superio 400 Thinners (optional)(by vol)

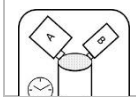
Notes: *Stir after each added component*

Viscosity (BSB4 Cup)



Application	30°C(86°F)
▸ Standard	18-22 sec

Pot Life



Application	30°C(86°F)
▸ Standard	2 hrs

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Spray gun set-up / application pressure

Spray-gun type	Spray-gun type	Nozzle size	Application pressure
▸ LVLP	Gravity	1.4-1.6 mm	1.7-2.2 bar at the spray gun air inlet
▸ HVLP	Gravity	1.4-1.6 mm	(HVLP: max 0.6-0.7 bar at the air cap)

Application

Standard Application
- ▸ Apply one medium coat, then allow to flash for 5-10 minutes.
- ▸ Apply the 2nd and if required a 3rd wet coats allowing 5-10 minutes between coats.

Notes: *Flash-off time depends on ambient temperature, applied layer thickness and airflow.*

Drying

Allow for a minimum of 10 minutes flash off time at 30°C (86°F) before moving the painted body into a pre-heated 60°C (140°F) drying oven. All drying times relate to standard application and object temperature. *Consider the time required for the spray booth to reach an acceptable air temperature to enable the heat transfer of 60°C (140°F) to the object.*

Dust dry	30°C(86°F)	60°C(140°F)
▸ Standard	20-25 min.	-

Dry to Sand*	30°C(86°F)	60°C(140°F)
▸ Standard	4-5 hrs.	-

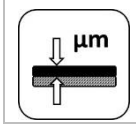
Notes: *For additional infra-red drying information; see TDS*
***** *Following the drying cycle at 60°C (140°F) object temperature, allow product to completely cool down to ambient temperature.*

Polishing

Dust and minor imperfections can be polished out after O/N curing with Standard hardener on air-dry times, or after a one hour cool down time following the full bake at 60°C object temperature. Carefully sand out dust particles and restore the surface according polishing recommendations.

Notes:

Film thickness



Application		
▸ All	Using the recommended application technique	80-90 µm

Coverage

By using the recommended application, the theoretical material coverage is:

- ▸ 85-95 Sq ft/liter 45-55 µm

Notes: *The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, pressure and application circumstances.*

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Equipment cleaning

Solvent borne gun cleaners

Solvent Content

VOC

- The VOC content of this product in ready to use form is maximum 430 g/liter

Product storage

Minimum storage temperature:	5°C (41°F)	Maximum storage temperature:	40°C (100°F)

Notes: *Product shelf-life is determined when products are stored unopened at 30°C (86°F).*
Avoid extreme temperature fluctuation.

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