

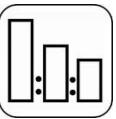
Description

Radiant U.V is acrylic high performance High Gloss white which provides excellent hardness, drying speed, chemical and stain resistance properties. Product is designed for suitability for interior and exterior applications.

Suitable Substrates

Hard wood, MDF, Plyboard, M.S, G.I

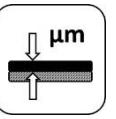
Substrates

	100	Nax Radiant Pu UV White H.Gloss	
	25	Nax Radiant Standard Hardener	
	25-30%	Nax Radiant PU Thinner Thinner	

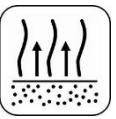
Mixing

	Spray-gun setup: Gravity fed 1.3-1.4 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
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Spraygun setup

	2 coats		45-55 µm
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Application

	Between coats: 8 - 10 minutes at 30°C 86°F	Before 60°C (140°F) baking: 10-15 minutes at 30°C 86°F
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Flash-off

	Drying Dust dry Dry to handle Dry to polish	30°C (86°F) 25 min. 4-5 hrs. O/N	60°C (140°F) - 30-40 min. 1 hr. after cooldown
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Drying

30 Min	60 Deg C
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IR Drying

	Use suitable respiratory protection Nippon Paint Automotive Refinishes recommends the use of fresh air supply respirator.
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PPE

For detailed information read entire TDS

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Suitable Substrates

Hard wood, MDF. Plyboard, M.S, G.I

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

Product and Additives

Product Hardener	Nax Radiant Pu UV White H.Gloss Nax Radiant Standard Hardner	
Reducers	Nax Radiant PU Medium Thinner Nax Radiant PU Slow Thinner (High Temperature) Nax Superio Medium 400 PU Thinner	20-35°C 35-45°C 5-20°C
Additives	Nax Softener	

Basic Raw Materials

Nax Radiant Pu UV White H.Gloss	Acrylic Polyol
Nax Radiant Standard Hardner	Poly-isocyanate resin
Nax Radiant PU Medium Thinner	Blend of solvents

Properties

Appearance-	White free Flowing Liquid
Viscosity @ 30°C	95±5 sec
% NVM	62±2

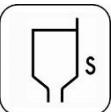
Notes: Hard plastic requires no softener. Stir well after adding the additive

Mixing

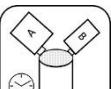
Standard	Fast	Std. Flexible	Fast Flexible	► Application
100				Nax Radiant Pu UV White H.Gloss (by vol)
25				Nax Radiant Standard Hardner(by vol)
-				Nax Radiant PU Medium Thinner/Slow/ Superio 400 Thinners (optional)(by vol)
25-30				

Notes: Stir after each added component

Viscosity (BSB4 Cup)

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

Pot Life

	Application ► Standard	30°C(86°F) 4 hrs

Spray gun set-up / application pressure



Spray-gun type	Spray-gun type	Nozzle size	Application pressure
► LVL	Gravity	1.3-1.4 mm	1.7-2.2 bar at the spray gun air inlet
► HVLP	Gravity	1.3-1.4 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

- Standard 30°C(86°F)
20-25 min.

 60°C(140°F)
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Dry to handle*

- Standard 30°C(86°F)
4-5 hrs.

 60°C(140°F)
40 min.

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.

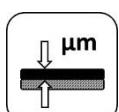
Polishing



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 45-55 µm

Coverage

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

- 65-75 Sq ft/liter 40-50 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.



Nax Radiant PU UV White H.Gloss

VAR.03.001.020422

Professional use only

Equipment cleaning

Solvent borne gun cleaners

Solvent Content

VOC

- The VOC content of this product in ready to use form is maximum 460 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.

--- Local organization address with phone number ---

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