

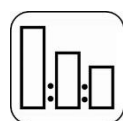
## Description

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 Thinners



Mixing



### Spray-gun setup:

Gravity fed | 1.3-1.4 mm

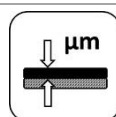
### Application Pressure:

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

Spraygun setup

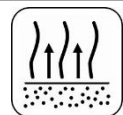


2 coats



45-55  $\mu$ m

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 |

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

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

<b>Product</b>	Nax Radiant Pu UV White H.Gloss		
<b>Hardener</b>	Nax Radiant Standard Hardner		
<b>Reducers</b>	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	
<b>Additives</b>	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

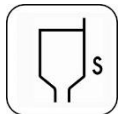
**Notes:** Hard plastic requires no softener. Stir well after adding the additive

## 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)
	-				
	25-30				Nax Radiant PU Medium Thinner/Slow/ Superio 400 Thinners (optional) (by vol)

**Notes:** Stir after each added component

## Viscosity (BSB4 Cup)

	<b>Application</b>	30°C(86°F)
	► Standard	18-22 sec

## Pot Life

	<b>Application</b>	30°C(86°F)
	► Standard	4 hrs

## Spray gun set-up / application pressure



Spray-gun type	Spray-gun type	Nozzle size	Application pressure
▶ LVLP	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



<b>Standard Application</b>	<ul style="list-style-type: none"> <li>▶ Apply one medium coat, then allow to flash for 5-10 minutes.</li> <li>▶ Apply the 2<sup>nd</sup> and if required a 3<sup>rd</sup> wet coats allowing 5-10 minutes between coats.</li> </ul>
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**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.*

<b>Dust dry</b>	30°C(86°F)	60°C(140°F)
▶ Standard	20-25 min.	-
<b>Dry to handle*</b>	30°C(86°F)	60°C(140°F)
▶ Standard	4-5 hrs.	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.

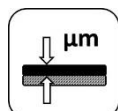
## Polishing



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



<b>Application</b>		
▶ 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
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**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.

## 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)
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**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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