



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


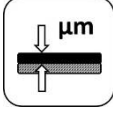
Substrates

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

Mixing

	Spray-gun setup:	Application Pressure:
	Gravity fed 1.4-1.6 mm	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:	Before 60°C (140°F) baking:
	8 - 10 minutes at 30°C 86°F	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

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.

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

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.

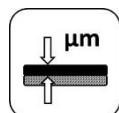
Polishing



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.

Equipment cleaning
Solvent borne gun cleaners

Solvent Content
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block; margin-right: 10px;">V O C</div> <ul style="list-style-type: none"> The VOC content of this product in ready to use form is maximum 430 g/liter

Product storage				
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Minimum storage temperature:</td> <td style="width: 33%; text-align: center;">5°C (41°F)</td> <td style="width: 33%;">Maximum storage temperature:</td> <td style="width: 33%; text-align: center;">40°C (100°F)</td> </tr> </table> <p>Notes: Product shelf-life is determined when products are stored unopened at 30°C (86°F). Avoid extreme temperature fluctuation.</p>	Minimum storage temperature:	5°C (41°F)	Maximum storage temperature:	40°C (100°F)
Minimum storage temperature:	5°C (41°F)	Maximum storage temperature:	40°C (100°F)	

--- Local organization address with phone number ---	
Brand names and Logos mentioned in this data sheet are trademarks of or are licensed to NIPPON PAINT.	
<p>This product is for professional use only and not for sale to or use by the general public. Before using, read and follow all label and SDS precautions. The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws. Any person using the product without first making further inquiries as to the suitability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, or as a warranty, nor the suitability of the products for a specific purpose. Standard drying times quoted are average times at 20°C/68°F. Film thickness, humidity and shop temperature can all affect drying times. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein are for general information purpose only. In the light of experience and our policy of continuous product development, they may change without prior information and do not constitute the agreed contractual quality of the products (product specification). It is always the responsibility of the recipient of our products to ensure that any proprietary rights, existing laws, legislation are observed and to take all necessary steps to fulfill the demands set out in the local rules and legislation. The latest version of TDS supersedes all previous versions.</p>	
Nippon Paint Group AR Office:	148, Sector – 7, IMT Manesar, Gurgaon Haryana – 122050, India www.nipponpaint-autorefinishes.com