

Description

VOC compliant high solid clearcoat providing deep gloss with excellent flow and through hardening. Has a long open time allowing a user-friendly application of all job sizes. With its very short dry to polishing time (15 min 60°C) is an ideal production clearcoat of daily use from spot repair to complete re-spray. Provides high chemical resistance & UV protection.

Suitable Substrates

nax Premila 8000 series base coat (solvent-borne)

nax E³ WB basecoat (water-borne)



2 nax Pro LV7600 VHS Performance Clear

1 nax Pro LV760 Hardeners



Spray-gun setup:

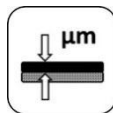
Gravity fed | 1.2-1.3 mm

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



1 ½ coats



45-60 μm 1 ½ coat



Between coats:

3 - 5 minutes at | 20°C | 70°F |

Before 60°C (140°F) baking:

5 - 10 minutes at | 20°C | 70°F |



	20°C (70°F)	30°C (86°F)	40°C (100°F)	60°C (140°F)	Infra-Red
Dust dry	20 min	10 min	7 min	n/a	n/a
Dry to handle	7 hrs	3 hrs	1 hrs	15 min	4+8 min
Dry to polish	7 hrs	3 hrs	1 hrs	15 min	4+8 min



2004/42/IIb(d)(420)415

- ▶ The EU limit value for this product (product category: IIB.d) in ready to use form is max 420 g/liter
- ▶ The VOC content of this product in ready to use form is maximum 415



Use suitable respiratory protection

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

For detailed information read entire TDS

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Suitable Substrates

nax Premila 8000 series base coat (solvent-borne)

nax E³ WB basecoat (water-borne)

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

Product and Additives

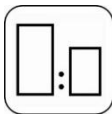
Product	nax Pro LV7600 VHS Clear	
Hardeners	nax Pro LV760 Hardener Fast	15-20°C
	nax Pro LV760 Hardener Medium	20-35°C
Additives	nax LV5101 Topcoat Blending Thinner Spray	
	nax Topcoat Blending Thinner	
	nax Pro LV4200 Flexible Additive	

Basic Raw Materials

nax Pro LV7600 VHS Performance Clear
nax Pro LV760 Hardeners

Acrylic resins
Poly-isocyanate resin

Mixing

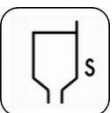


2	nax Pro LV7600 VHS Performance Clear
1	nax Pro LV760 Hardeners

	Hardener Selection		
	15-20°C	20-25°C	25-35°C
1-2 panels/spot	Fast	Medium	Medium
3-5 panels	Fast*	Medium	Medium
>5 panels	Medium*	Medium*	Medium*

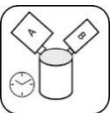
Notes: Stir after each added component
*Add 5% nax Pro LV5000 Thinner Slow

Viscosity (DIN 4 Cup)



	20°C (70°F)	30°C (86°F)	40°C (100°F)
	15-17 sec	14-15 sec	13-14 sec

Pot Life



	20°C (70°F)	30°C (86°F)	40°C (100°F)
	30 Min	20 min	15 min

Spray gun set-up / application pressure



Spray-gun type	Spray-gun type	Nozzle size	Application pressure
▶ LVLP	Gravity	1.2-1.3 mm	1.7-2.2 bar at the spray gun air inlet
▶ HVLP	Gravity	1.2-1.3 mm	(HVLP: max 0.6-0.7 bar at the air cap)

Application

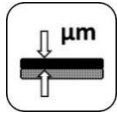


1 ½ coat Application

- ▶ Apply one light coat, then allow to flash for 3-5 minutes.
- ▶ Apply the 2nd flowing coat.

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

Film thickness



1 ½ coat application Using the recommended application technique 45-60 µm

Drying time



Dust dry	20°C(70°F)	30°C(86°F)	40°C(100°F)	60°C(140°F)	Infra-Red
▶ Medium Hardener	25 min.	12 min	7 min	n/a	n/a
▶ Fast Hardener	20 min.	10 min	7 min	n/a	n/a
Dry to handle and polish					
▶ Medium Hardener	7 hours	3 hours	1 hour	15 min.	4+8 min.
▶ Fast Hardener	7 hours	3 hours	1 hour	15 min.	4+8 min.

Notes: Indicated drying times are panel temperatures. Oven temperature should be set 10 °C higher. Allow 10 minutes flash off prior to Infra-Red drying. The panel must not reach a temperature above 100°C (210°F) while curing. Following the drying cycle at 60°C (140°F) object temperature, allow product to completely cool down to ambient temperature. Using fast hardener at high temperatures can decrease the gloss.

Polishing



Following the recommended ambient drying or after cool down following the full bake at 60°C object temperature, carefully sand out dust particles and restore the surface according polishing recommendations.

Notes:

Coverage

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

- ▶ ±10 m²/liter RTS mixture at 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.

Equipment cleaning

Solvent borne guncleaners

Solvent Content



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The VOC content of this product in ready to use form is maximum	415	g/liter

Shelflife



nax Pro LV7600 VHS Performance Clear

nax Pro LV7600 Hardeners

Minimum storage temperature: 5°C (41°F) Maximum storage temperature: 35°C (95°F)

Notes: *Avoid extreme temperature fluctuation.*

OAR.07.012. 300517
Professional use only

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 COATINGS**