

Product Data Sheet

December 2008



FOR PROFESSIONAL USE ONLY

W0671V

EHS Turbo Plus Premium Clearcoat NEDP190-1280

<i>Product</i>	<i>Description</i>
<i>NEDP190-1280</i>	<i>EHS Turbo Plus Premium Clearcoat</i>
<i>P210-982</i>	<i>EHS Turbo Plus Hardener</i>
<i>P850-1392</i>	<i>Turbo Plus Thinner</i>
<i>P852-1790/92/94/99</i>	<i>EHS Turbo Plus Thinners</i>
<i>P275-455</i>	<i>EHS Turbo Plus Rapide Catalyst</i>

Product Description

NEDP190-1280 is a Premium CT Clearcoat from Nexa Autocolor, specifically formulated to enhance the market leading performance of the Nexa Autocolor Waterborne Basecoat system.

The major benefit of NEDP190-1280, is the flexibility of a 3 component system coupled with outstanding laydown, hardness, final appearance and durability. Enabling the product to be used just as successfully over large areas at high temperatures or as a repair 'panel' clear.

When used in accordance with the recommendations stated in this data sheet, NEDP190-1280 in conjunction with CT Waterborne Basecoat will provide a quality system with a VOC of less than 420g/l.



Product Data Sheet



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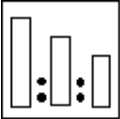




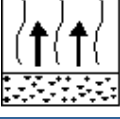

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Process

HVLP	
	<p>NEDP190-1280 3 parts P210-982 1 part P850-1392* 0.5 parts</p> <p>* This is the recommended thinner, however EHS Turbo Plus thinners P852-179* can be successfully substituted if the performance of the clearcoat needs to be altered to suit the requirement of the job.</p>
	<p>NOTES:</p> <ol style="list-style-type: none"> 1. Stir paint well before mixing and use stick to ensure correct ratio of paint hardener and thinner 2. Stir paint IMMEDIATELY after activation
	<p>Pot Life at 20°C: 2 hours The activated paint should be applied as soon as possible after activation Clean gun immediately after use</p>
	<p>19-22 secs DIN @ 20 °C (24-28 secs BSB4) @ 20 °C</p> <p>For optimum spray application properties ensure paint temperature is 20-25 °C</p>
	<p>Gravity / Suction 1.4 - 1.8 mm Pressure Feed 1.0 - 1.2mm</p> <p>Air Cap pressure -: 0.675 Bar (10psi) max.</p>
	<p>2 single coats</p>
	<p>Minimum of 10 minutes between coats at 20 °C</p> <p>No flash-off required before stoving</p>
	<p>Air dry at 20 °C Dust Free 45 minutes Handleable - 4 hours Into-Service - 16 hours</p> <p>Stoving at metal temperature of: 40 °C 90 minutes 50 °C 60 minutes 60 °C 30 minutes 70 °C 20 minutes Into-Service When cool</p>
RECOAT	<p>After "Into-Service" times</p>

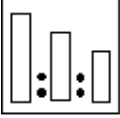




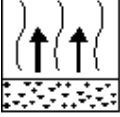



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Rapid Repair Process

HVLP													
	<p>NEDP190-1280 3 parts P210-982 1 part P852-1799 0.5 parts</p>												
	<p>NOTES: 1. Stir paint well before mixing and use stick to ensure correct ratio of paint hardener and thinner 2. Stir paint IMMEDIATELY after activation</p>												
	<p>Pot Life at 20°C: 10 min The activated paint should be applied as soon as possible after activation Clean gun immediately after use</p>												
	<p>19-22 secs DIN @ 20°C (24-28 secs BSB4) @ 20°C For optimum spray application properties ensure paint temperature is 20-25°C</p>												
	<p><u>Gravity / Suction</u> 1.4 - 1.8 mm Air Cap pressure -: 0.675 Bar (10psi) max.</p>												
	<p>2 single coats</p>												
	<p>Maximum of 5 minutes between coats at 20°C No flash-off required before stoving</p>												
	<p>Air dry at 20°C</p> <table border="0"> <tr> <td>Dust Free -</td> <td>15 minutes</td> </tr> <tr> <td>Handleable -</td> <td>1 hour</td> </tr> <tr> <td>Into-Service -</td> <td>2 hours</td> </tr> </table> <p>Stoving at metal temperature of:</p> <table border="0"> <tr> <td>30°C</td> <td>30 minutes</td> </tr> <tr> <td>40°C</td> <td>15 minutes</td> </tr> <tr> <td>Into-Service</td> <td>When cool</td> </tr> </table>	Dust Free -	15 minutes	Handleable -	1 hour	Into-Service -	2 hours	30°C	30 minutes	40°C	15 minutes	Into-Service	When cool
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General Process Notes

SUBSTRATES

CT Waterborne Basecoat System

PREPARATION

The substrate to be painted must be dry, clean and free from grease.

Basecoat areas which have been left overnight should be thoroughly Tack ragged before application of NEDP190-1280.

PAINT TEMPERATURE

As with other paint systems, optimum spray application is achieved if the paint is allowed to reach room temperature (20-25°C) before use. This is particularly important for high solids systems. It is strongly recommended that cold paint is warmed to a minimum of 15°C before application. Below this temperature paint application performance may be adversely affected.

In order to remain VOC compliant do not add extra thinner to adjust the spraying viscosity.

HVLP APPLICATION

The most suitable HVLP gun for the application of Commercial Transport products is the pressure feed system.

Air cap pressure: 0.675 bar (10psi) maximum

Paint pressure: 0.3-1.0 bar (5-15 psi)

If long fluid lines are used, the paint pressure will need to be increased.

RECOAT

NEDP190-1280 can be recoated with itself or any other **Nexa Autocolor** primer, undercoat or topcoat after the Into-Service times stated.

SELECTION OF CATALYST

To reduce drying times, P275-455 EHS Turbo Plus Rapide catalyst can be used in combination with activated EHS Turbo Plus Premium Clearcoat (NEDP190-1280).

P275-455 can be added at up to 50mls per litre of **activated** paint.

OTHER INFORMATION

Allow finishes to harden thoroughly before subjecting to vehicle washes. This can take a number of weeks if vehicles are air-dried in cold conditions and/or paint film thicknesses are excessively high.

DEMASKING

Care must be taken when demasking areas which have been coated with NEDP190-1280 EHS Turbo Plus Clearcoat.

Low bake – It is recommended to demask whilst the vehicle is still warm from the oven. Demasking once the vehicle is cold may result in clearcoat delamination under certain conditions.

Air-dry: De-mask either before 6 hours drying time or after 36 hours drying time. Demasking at times between 6 and 36 hours may result in clearcoat delamination under certain conditions.

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VOC INFORMATION

The EU limit value for this product (product category: IIB.d) in ready to use form is max. 420g/litre of VOC.
The VOC content of this product in ready to use form is max. 420g/litre.
Depending on the chosen mode of use, the actual ready to use VOC of this product may be lower than that specified by the EU Directive code.

These products are for professional use only, and are not to be used for purposes other than those specified. The information on this TDS is based on present scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the product for the intended purpose.
For Health and Safety information please refer to the material Safety Data Sheet, also available at: http://www.ppg.com/Autocolor_MSDS

For further information please contact:

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