



Technical Data Sheet

March 2022

W0640V

INTERNATIONAL MASTER
FOR PROFESSIONAL USE ONLY

TURBO VISION® EHS Clearcoat	
Product	Description
P190-1400	Turbo Vision EHS Clearcoat
P210-7644	EHS Hardener - Standard
P210-7642	EHS Hardener - Slow
P210-7606	EHS Pluralmix Hardener
P852-6440	EHS Thinner – Extra Slow
P852-6442	EHS Thinner - Slow
P852-6444	EHS Thinner - Medium
P852-6446	EHS Thinner - Fast
P852-6448	EHS Thinner – Extra Fast

Product Description

Turbo Vision EHS Clearcoat is dedicated for Commercial Transportation Vehicles for both builders and repairers.

Turbo Vision EHS Clearcoat is an easy to spray clearcoat, giving outstanding flow and gloss, and overspray absorption, meeting the standards demanded by the fleet market.

Thanks to the selection of its ancillaries, *Turbo Vision* EHS Clearcoat:

- Can be used from small to large areas
- Can be sprayed in a large range of temperature conditions



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Substrates and Preparation

Substrate:

P961-Line CT Waterborne Basecoat. Please refer to V1450V TDS.

P482-line Solventborne Basecoat. Mix at Clearcoat at 2:1:0.7 and refer to V4130 TDS.

P498 EHS Turbo Plus Topcoat.

Turbo Vision EHS Premium High Flow, High Build or **Productive** Topcoats.
Please refer to V1000V/V1010V/**V1020V TDS**.

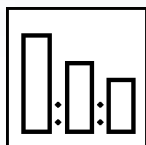
Cleaning:

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

Basecoat areas which have been left overnight should be thoroughly tack-ragged before application of clearcoat.

Process

Conventional or Pressure Pot



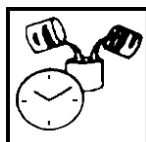
Mixing Ratio by Volume:

<i>Turbo Vision</i> EHS Clearcoat	2
P210-764X Hardener (*)	1
P852-644X Thinner (*)	0.2-0.5

(*) Note:

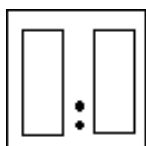
Use Slow Hardener and either Slow or Extra Slow Thinner for application by air-assisted spray

If applying over Solventborne Basecoat, for best results add extra thinner to 2:1:0.7



Temperature	<18°C	18-25°C	25-30°C	>30°C	>35°C
Combination	Medium Fast	Medium Medium	Medium Slow	Slow Slow	Slow Extra Slow
Ancillaries	P210-7644 P852-6446	P210-7644 P852-6444	P210-7644 P852-6442	P210-7642 P852-6442	P210-7642 P852-6440

Plural-Mix Application



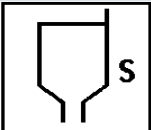

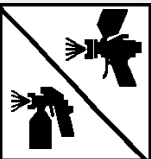



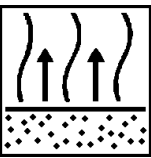

Mixing Ratio by Volume:

<i>Turbo Vision</i> UHS Clearcoat	3
P210-7606 EHS Plural-mix Hardener	2

No thinner is required

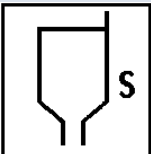



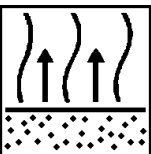



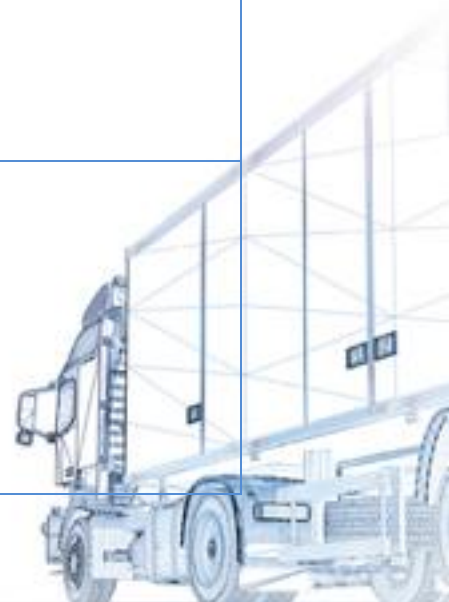
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Process	
	Conventional or Pressure Pot
	<p>Spray Viscosity at 20°C: 17-21 seconds DIN4</p>
	<p>Potlife @20°C: 2 hours</p>
	<p>Gravity Feed: Tip Size / : 1.3-1.4mm Air Pressure: 2.0-2.5 bars*</p>
	<p>Suction Feed: Tip Size: 1.5-1.6mm Air Pressure: 2.0-2.5 bars*</p>
	<p>Pressure Feed: Tip Size: 0.8-1.0mm Air Pressure: 2.0-2.5 bars* Paint Pressure: 0.3-1.0 bar Fluid flow rate: 280-320 cc/min</p>
*Refer to Spraygun manufacturer's instructions	
	<p>Number of Coats</p> <p><u>2 coats:</u></p> <p>1 Full coat + 1 Full coat</p> <p>Dry Film Thickness: 40 – 60 µm</p>
	<p><u>2 coats:</u></p> <p>Flash-Off between coats: 10-15 minutes Flash-Off before bake: 10-15 minutes</p>
	<p>Air dry at 20°C</p> <p>Dust Free 45 minutes Handleable - 4 hours Into-Service - 16 hours</p> <p>Stoving at metal temperature of:</p> <p>40°C 90 minutes 50°C 45 minutes</p>



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	60°C Into-Service	30 minutes (do not exceed 60°C) When cool
Process		
	Air Assisted Airless Spray	
	Spray Viscosity at 20°C: 17-21 seconds DIN4 Note: Use Slow Hardener and either Slow or Extra Slow Thinner for application by air-assisted spray	
	Potlife @20°C: 2 hours	
	Tip Size: 9 thou / 0.23mm Fluid Pressure: 90-100 Bar Air Pressure: 2.0-2.5 Bar	
	Number of Coats <u>1 coats:</u> 1 single full coat (wet and closed) Dry Film Thickness: 40 – 60 µm	
	Flash-Off before bake: 10-15 minutes	
	Air dry at 20°C Dust Free 45 minutes Handleable - 4 hours Into-Service - 16 hours Stoving at metal temperature of: 40°C 90 minutes 50°C 45 minutes 60°C 30 minutes (do not exceed 60°C) Into-Service When cool	



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General Process Notes

DECAL APPLICATION

It is recommended that TURBO VISION[®] EHS Clearcoat is allowed to cure for at least one week prior to any decal application.

COVERAGE

Approximately 10.5 m² per litre of ready for use paint at a dry film thickness of 50 microns depending on thinning ratio used.

OTHER POINTS TO NOTE

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 thickness is excessively high.

STORAGE

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Always refer to the material Safety Data Sheet.

VOC INFORMATION

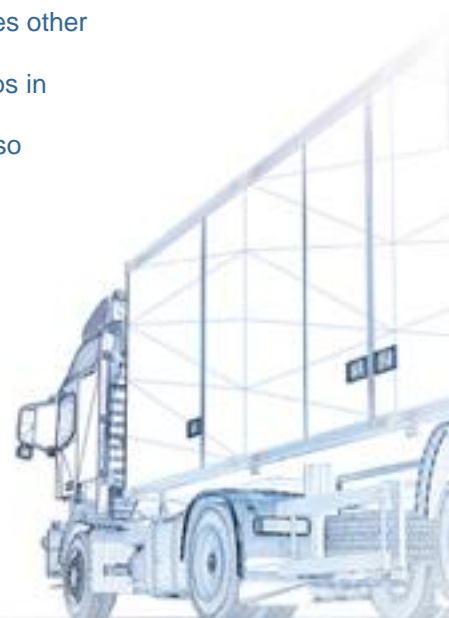
The EU limit value for this product (Topcoats: IIB.d) in ready to use form is max. 420g/litre of VOC. The VOC content of this product in ready to use form is max. 420 g/litre when activated 2:1:0.5 by volume. Depending on the chosen mode of use, the actual ready to use VOC of this product may be lower 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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