




Technical Data Sheet

March 2023

V1000V

INTERNATIONAL MASTER
FOR PROFESSIONAL USE ONLY

TURBO VISION® 2-pack Premium High Flow EHS Topcoat

Product	Description
P650-1000	Premium EHS High Flow Binder
P600-9xxx	Coloured Tinters
P210-7644	EHS Hardener - Standard
P210-7642	EHS Hardener - Slow
P210-7606	EHS Plural-Mix 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 Premium High Flow 2-pack EHS Topcoat has been optimised for Commercial Transportation Vehicles for both builders and repairers.

Turbo Vision Premium High Flow EHS Topcoat is an easy to spray topcoat providing high opacity, outstanding gloss and general appearance with long term durability, which fully meets the highest standards demanded by fleet market.

Thanks to the selection of its ancillaries, *Turbo Vision* Premium High Flow EHS Topcoat:

- can be used from small to large area in a wide range of temperature conditions
- can be baked at low temperature or left airdry

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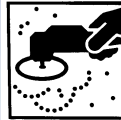


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Substrates and Preparation

Prepare the Substrate as follows:



Substrates:

- Original finishes and work in sound condition need to be degreased, cleaned and dry sanded with P320-P400 or (P600 wet) prior to topcoat application.
- Steel, Aluminum, GRP & Zinc coated steel need to be pre-primed with the appropriate primer in order to ensure correct intercoat adhesion and substrate protection.
- TURBO VISION® Premium High Flow EHS Topcoat is suitable over all Nexa Autocolor primers, surfacers and sealers.

Cleaning:



- The substrate to be painted must be dry, clean, free of corrosion, grease & mould release agents.
- Substrates need to be thoroughly wiped using the appropriate degreaser (P850-1367 Degreaser & P850-1378 Spirit Wipe or P980-9010 low V.O.C cleaner)

Process

Conventional or Pressure Pot Application

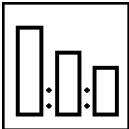
Mixing Ratio by Volume:

For P210-764X Hardeners:

<i>Turbo Vision</i> High Flow EHS Topcoat	2
P210-764x Hardener (*)	1
P852-644x Thinner (**)	0.8-1.2

For P210-7606 Hardener ONLY: (High Temperature)

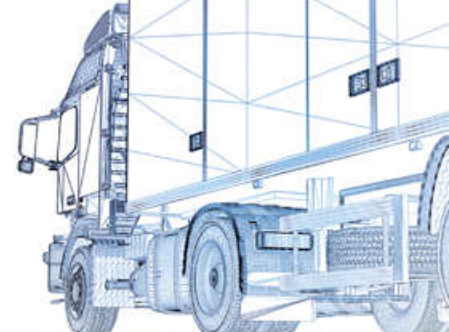
<i>Turbo Vision</i> High Flow EHS Topcoat	3
P210-7606 Hardener (*)	2
P852-644x Thinner (**)	0.2-0.5



Temperature	<15°C	<15°C	15-20°C	20-25°C	20-30°C	25-35°C	>30°C	>35°C
Combination	Extra Fast	Fast	Standard / Fast	Standard / Slow	Slow / Medium	Slow	Very Slow	Very Slow
Job size	Very small/spot	Small	Small	Medium to Large	Medium to Large	Medium to Large	Large	Large
Hardener (*)	P210-7644				P210-7642			P210-7606
Thinner (**)	P852-6448	P852-6446	P852-6444	P852-6442	P852-6444	P852-6442	P852-6440	P852-6440
Potlife	<30 min	1 hour	> 2 hours	> 2 hours	> 2 hours	> 2 hours	> 2 hours	> 2 hours
Airdry schedule	<1 hour	2 hours	2-3 hours	3 hours	Overnight	Overnight	Overnight	24 hours
Baking schedule	Airdry	20 min @50°C	30 min @50°C	30 min @50°C	30 min @60°C	30 min @60°C	30 min @60°C	30 min @60°C

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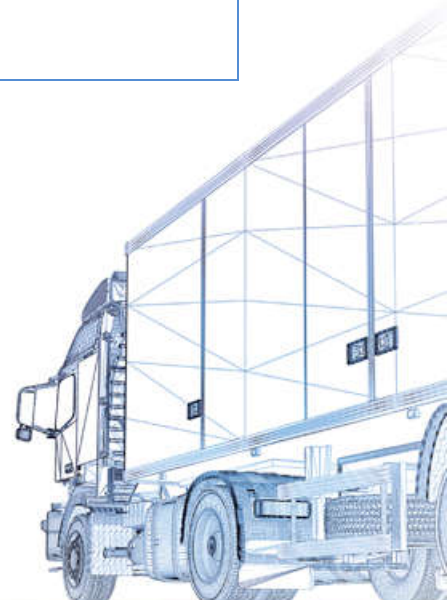
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Process		
Conventional or Pressure Feed Application		
	Spray Viscosity at 20°C: 18-22 seconds DIN4	
	Gravity Feed: Tip size: 1.3-1.5 mm Air Pressure: 2.0-2.4 bars	
	Suction Feed: Tip size: 1.6-1.8 mm Air Pressure: 2.0-2.4 bars	
	Pressure Feed: Tip size: 0.85-1.0 mm Air Pressure: 2.0-2.4 bars Paint Pressure : 0.3-1.0 bar Fluid flow rate: 280-320 cc/min	
Number of Coats		
	<u>1 Visit:</u>	<u>2 coats:</u>
	1 light coat + 1 Full coat	1 Medium closed + 1 Full coat
Dry Film Thickness:	50 – 60 µm	50 – 70 µm
	<u>1 Visit:</u>	<u>2 coats:</u>
Flash-Off between coats:	2-3 minutes	10 minutes
Flash-Off before bake:	10 minutes	10 minutes

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Colour

COLOUR MIXING

All Tinters should be thoroughly hand stirred when first opened, and then stirred on a mixing machine for 10 minutes before use. Thereafter all tinters should be machine stirred twice a day for at least 10 minutes.

COLOUR CHECKING

As with all refinish paint systems, a colour check should be carried out before painting the vehicle.

General Process Notes

RECOAT

TURBO VISION® Premium High Flow EHS Topcoat can be recoated by itself within 8 hours without sanding. If baked, or air-dried longer than 8 hours, the topcoat should be sanded before recoating.

DECAL APPLICATION

It is recommended that TURBO VISION® Premium High Flow EHS Topcoat is allowed to cure for at least one week prior to any decal application.

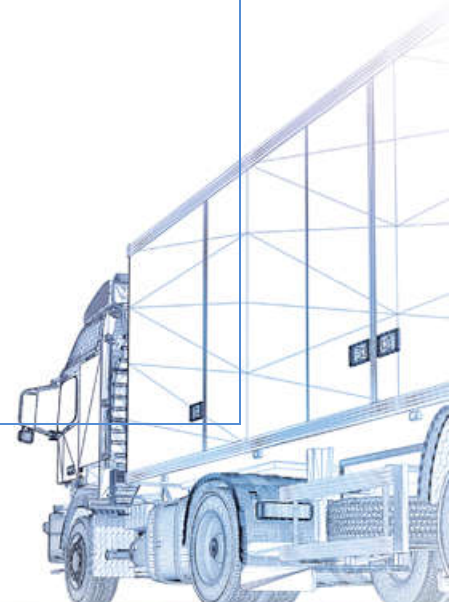
COVERAGE

Approximately 12 to 13 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.

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STORAGE

Mixing Room Temperature:

Store P600-xxxx Tinters in the Mixing Room between the following temperatures: 18 to 25°C.

Storage Temperature:

Store P600-xxxx Tinters between the following temperatures: 5 to 35°C (41 to 95°F).

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 (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

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