Technical Data Sheet

V5000

September 2022

INTERNATIONAL MASTER
FOR PROFESSIONAL USE ONLY

TURBO VISION® MS Advanced Topcoat

Product	Description
P650-5000	MS Advanced Binder
P600-9xxx	Coloured Tinters
P210-7504	MS Hardener - Medium
P210-7502	MS Hardener - Slow
P210-7606	EHS Pluralmix Hardener
P852-6336	MS Thinner - Fast
P852-6334	MS Thinner - Medium
P852-6332	MS Thinner - Slow

Product Description

Turbo Vision MS Advanced Topcoat is dedicated for Commercial Transportation Vehicles for both builders and repairers.

Turbo Vision MS Advanced Topcoat is an easy to spray topcoat providing good opacity, high gloss and general appearance which meets the standards demanded by fleet market.

Thanks to the selection of its ancillaries, *Turbo Vision* MS Advanced Topcoat:
- can be used from small to large area
- can be sprayed in a large range of temperature conditions

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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® MS Advanced Topcoat is suitable over all NEXA AUTOCOLOR® primers, surfacers and sealers.
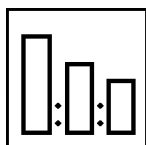
Cleaning:

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

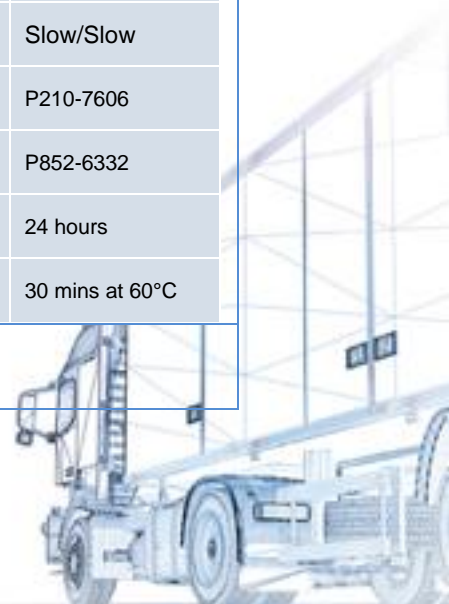### Conventional, Pressure Pot or Air Assisted Airless Application

Mixing Ratio by Volume:

Turbo Vision MS Advanced Topcoat	2
P210-750x / P210-7606 hardener (*)	1
P852-633x thinner (**)	0.5-1
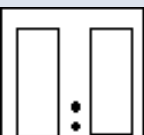
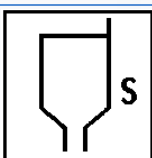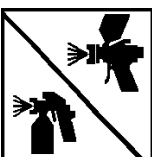| Temperature	<18°C	18-25°C	>25°C	>35°C
Combination	Medium/Fast	Medium/Medium	Slow/Slow	Slow/Slow
Hardener	P210-7504	P210-7504	P210-7502	P210-7606
Thinner	P852-6336	P852-6334	P852-6332	P852-6332
Air Dry Schedule	Overnight	Overnight	Overnight	24 hours
Baking Schedule	30 mins at 60°C	30 mins at 60°C	30 mins at 60°C	30 mins at 60°C

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	Pressure-Feed or Air-Assisted Airless Application ONLY – 2K Plural Mix
	For 2K Plural-Mix equipment, it is recommended that the topcoat is pre-thinned, then the pre-thinned topcoat is activated by Plural-Mix Pre-Thinning (mixing by volume): *Turbo Vision* MS Advanced Topcoat 2 P852-633x Thinner 0.8 to 1.2
	Activation of Pre-Thinned Topcoat via Plural-Mix Equipment: *Turbo Vision* MS Advanced Topcoat Topcoat (Prethinned) 2 P210-7606 Hardener 1

Process

	Conventional, Pressure Pot or Air Assisted Airless Application
	Spray Viscosity at 20°C: 18-22 seconds DIN4 for Conventional/Pressure Pot application 19-23 seconds DIN4 for Air Assisted Airless application
	Potlife @20°C: 2 hours
	1.3-1.5 mm Gravity or suction feed at 2.0-2.4 bars OR 0,8-1mm Pressure Pot Air Cap Pressure: 0.68 bar Paint Pressure : 0.3-1.0 bar Fluid flow rate: 280-320 cc/min OR Tip Size: 9 to 11 Thou (0,23 to 0,28 mm) for Air Assisted Airless Paint Pressure: 90-110 bars Air Atomization: 2.5-3 bars

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	Number of Coats
	2 coats:
	1 Medium closed+ 1 Full coat
	Dry Film Thickness: 40 – 60 µm

	2 coats:
	Flash-Off between coats: 10-15 minutes
	Flash-Off before bake: 15-20 minutes

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® MS Advanced Topcoat 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
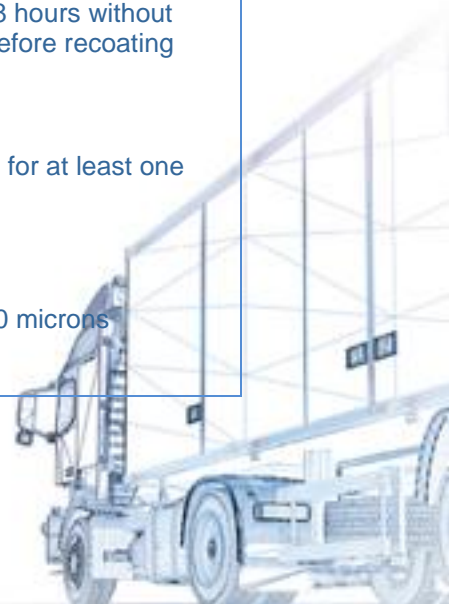
DECAL APPLICATION

It is recommended that TURBO VISION® MS Advanced Topcoat is allowed to cure for at least one week prior to any decal application.

COVERAGE

Approximately 8 to 10 m² per litre of ready for use paint at a dry film thickness of 50 microns depending on thinning ratio used.

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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

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.

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 Heath 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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