



Technical Data Sheet

January 2022

V5060

INTERNATIONAL MASTER
FOR PROFESSIONAL USE ONLY

TURBO VISION® MS Advanced Topcoat Premium Matt, Semi-Matt and Semi-Gloss Topcoats

Product	Description
P650-5000	MS Advanced Binder
P650-6000	Premium Matt Binder
P600-9xxx	Coloured Tinters
P210-7504	MS Hardener - Standard
P852-6336	MS Thinner - Fast
P852-6334	MS Thinner - Medium
P852-6332	MS Thinner - Slow

Product Description

Turbo Vision Premium Matt Binder has been optimised to deliver an even and deep matt finish for Commercial Transportation Vehicles for both builders and repairers.

Turbo Vision Premium Matt Binder can be blended with *Turbo Vision* MS Performance Binder to obtain all ranges of gloss levels from the mattest to the glossiest, keeping the ease of spraying and providing high opacity, outstanding general appearance with long term durability, which fully meets the highest standards demanded by fleet market.

Thanks to the selection of ancillaries, *Turbo Vision* Premium Matt Binder, *Turbo Vision* Premium MS Performance Topcoats and their blends:

- 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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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 and Premium Matt topcoats are suitable over all NEXA AUTOCOLOR® primers, surfacers and sealers.

Cleaning:

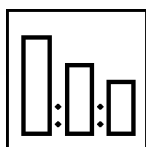


The substrate to be painted must be dry, clean, free of corrosion, grease & mould release agents.

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



Gloss 60° angle:

Mixing Ratio by Volume:

Semi-Matt to High Gloss:
50 to 95%

Matt to Semi-Matt
5 to 40%

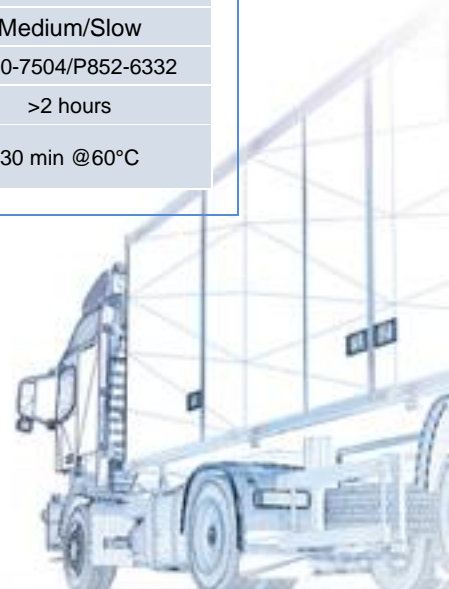
Turbo Vision Topcoat
P210-7504 hardener
P852-633x thinner

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1
0.5-1

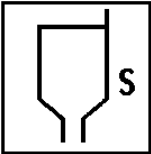



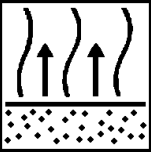
3
1
1.5-2



Temperature	20-25°C	25--30°C	25-35°C
Combination	Medium/Fast	Medium/Medium	Medium/Slow
Ancillaries	P210-7504/P852-6336	P210-7504/P852-6334	P210-7504/P852-6332
Potlife	>2 hours	>2 hours	>2 hours
Baking schedule	30 min @60°C	30 min @60°C	30 min @60°C



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Process	
	Conventional, Pressure Pot or Air Assisted Airless Application
	<p>Spray Viscosity at 20°C: 18-22 seconds DIN4 for Conventional/Pressure Pot application</p> <p>Potlife @20°C: 2 hours</p>
 	<p>1.3-1.5 mm Gravity or suction feed at 2.0-2,4 bars</p> <p>OR</p> <p>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</p>
	<p>Number of Coats</p> <p><u>2 coats:</u></p> <p>1 Medium closed coat + 1 Full coat</p> <p>Dry Film Thickness: 40 – 50 µm</p>
	<p><u>2 coats:</u></p> <p>Flash-Off between coats: until the finish is fully even without any glossy patchiness Flash-Off before bake: until the finish is fully even without any glossy patchiness</p>



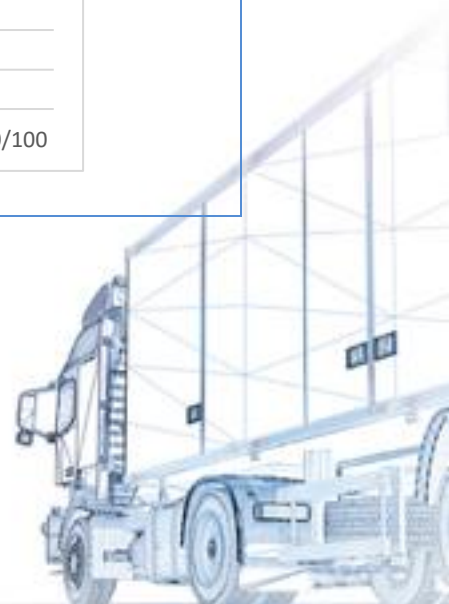
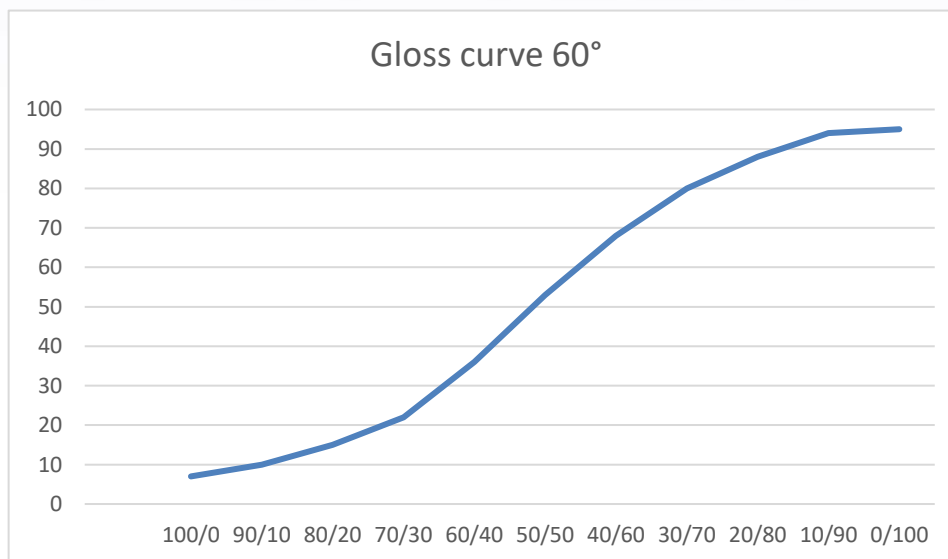
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Matting Chart

RATIOS:

FOR WHITE COLOURS			FOR OTHER COLOURS			Activation RATIO (by volume)	GLOSS 60°	MATT/GLOSS Ratio
P650-6000 MATT Binder quantity (by weight)	P650-5000 Gloss Binder Quantity (by weight)	Toners quantity (by weight)	P650-6000 MATT Binder quantity (by weight)	P650-5000 Gloss Binder Quantity (by weight)	Toners quantity (by weight)			
60	-	40	70	-	30	3:1:1.5-2	<10	100/0
54	6	40	63	7	30	3:1:1.5-2	10-15	90/10
48	12	40	56	14	30	3:1:1.5-2	15-20	80/20
42	18	40	49	21	30	3:1:1.5-2	20-25	70/30
36	24	40	42	28	30	3:1:1.5-2	30-40	60/40
30	30	40	35	35	30	2:1:0.5-1	50-55	50/50
24	36	40	28	42	30	2:1:0.5-1	60-70	40/60
18	42	40	21	49	30	2:1:0.5-1	75-85	30/70
12	48	40	14	56	30	2:1:0.5-1	85-90	20/80
6	54	40	7	63	30	2:1:0.5-1	~90	10/90
-	60	40	-	70	30	2:1:0.5-1	>90	0/100

MATting CURVE:



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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[®] MS Advanced 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.

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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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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