




Technical Data Sheet

V1000V

March 2018

INTERNATIONAL MASTER
FOR PROFESSIONAL USE ONLY

TURBO VISION® 2-pack Premium High Flow EHS Topcoat

| <i>Product</i> | <i>Description</i> |
|----------------|--------------------------|
| P650-1000 | Premium High Flow Binder |
| P600-9xxx | Coloured Tinters |
| P210-7644 | EHS Hardener - Standard |
| P210-7642 | EHS Hardener - Slow |
| 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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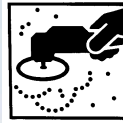


Substrates and Preparation

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:

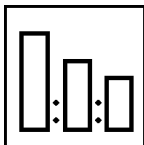
The substrate to be painted must be dry, clean, free of corrosion, grease & mould release agents.

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)



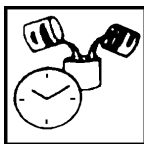
Process

Conventional, Pressure Pot or Air Assisted Airless Application



Mixing Ratio by Volume:

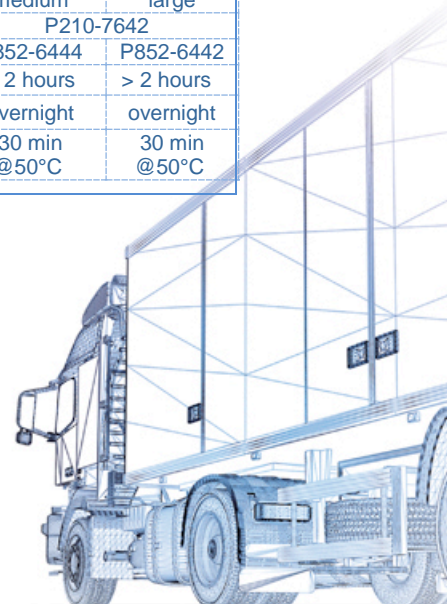
| | |
|---|---------|
| <i>Turbo Vision</i> Premium High Flow EHS Topcoat | 2 |
| P210-764x hardener (*) | 1 |
| P852-644x thinner (**) | 0,8-1,2 |



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

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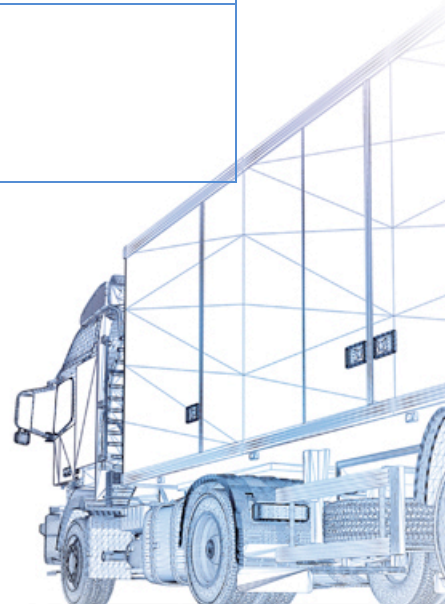
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| Process | | | | | | | | | |
|--|--|-----------------|-----------------|--|--|-------------|------------|------------|------------|
| | Conventional, Pressure Pot or Air Assisted Airless Application | | | | | | | | |
| | Spray Viscosity at 20°C: 18-22 seconds DIN4 | | | | | | | | |
| | 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 | | | | | | | | |
| | Number of Coats | | | | | | | | |
| | <table border="0"> <tr> <td><u>1 Visit:</u></td> <td><u>2 coats:</u></td> </tr> <tr> <td>1 light coat + 1 Full coat</td> <td>1 Medium closed + 1 Full coat</td> </tr> </table> | <u>1 Visit:</u> | <u>2 coats:</u> | 1 light coat + 1 Full coat | 1 Medium closed + 1 Full coat | | | | |
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| 1 light coat + 1 Full coat | 1 Medium closed + 1 Full coat | | | | | | | | |
| | Dry Film Thickness: | | | | | | | | |
| | <table border="0"> <tr> <td>50 – 60 µm</td> <td>50 – 70 µm</td> </tr> </table> | 50 – 60 µm | 50 – 70 µm | | | | | | |
| 50 – 60 µm | 50 – 70 µm | | | | | | | | |
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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

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 14m² (to be calculated accurately) 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.

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.

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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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