

# DELTRON

## CONCEPT 2001 HS CLEAR

D880

<b>PRODUCT DESCRIPTION</b>		
<p>Deltron Concept 2001 is a premium quality high solids polyurethane clearcoat specifically formulated to give optimum gloss and durability when low-baked. It is designed to be used over Deltron BC Colour (see Data Sheet EU02).</p>		
<b>PREPARATION OF SUBSTRATE</b>		
<p>Apply Deltron BC Basecoat Colour over original stoved finishes or over recommended PPG primers (eg Prima, Koba, Universel, 2+1). See Data Sheet EU02 for Deltron BC application details.</p> <p>Degrease all surfaces to be painted with appropriate PPG substrate cleaner (see selection guide below) before wet flattening with P800-1000 grade paper or dry flattening with P600-800 grade paper.</p> <p>Wash off residues and dry thoroughly before recleaning with appropriate PPG substrate cleaner (see selection guide below). The use of a tack rag is recommended.</p>		
<b>GUIDE TO SELECTION OF SUBSTRATE CLEANER</b>		
<i>Code</i>	<i>Product</i>	<i>Purpose</i>
D845	DX310 High-Strength Degreaser	For use as a pre-cleaner in the first stage of the repair process. Use before starting any repair work.
D837	DX330 Spirit Wipe	Suitable for removing dirt, grease or other contaminants before or during the painting process.
D842	DX380 Low-VOC Cleaner	Particularly designed to remove contaminants after sanding, and in areas where VOC emissions should be minimised.
D846	Degreasing Agent for Plastics	A fast, effective degreaser specially formulated to avoid adverse effects on plastic substrates.

APPLICATION GUIDE													
	CONVENTIONAL SPRAY												
<i>Mixing Ratio</i>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">D880</td> <td style="width: 40%;">2 vols</td> </tr> <tr> <td>MS Hardener*</td> <td>1 vol</td> </tr> <tr> <td>Thinner*</td> <td>0.5 vol</td> </tr> </table>	D880	2 vols	MS Hardener*	1 vol	Thinner*	0.5 vol						
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* Choose MS Hardener and Thinner according to application temperature:													
	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 35%; text-align: center;"><i>MS Hardener</i></td> <td style="width: 35%; text-align: center;"><i>Thinner</i></td> </tr> <tr> <td style="text-align: center;">Up to 18°C</td> <td style="text-align: center;">D803 Fast</td> <td style="text-align: center;">D808</td> </tr> <tr> <td style="text-align: center;">18°C - 25°C</td> <td style="text-align: center;">D841 Medium</td> <td style="text-align: center;">D807</td> </tr> <tr> <td style="text-align: center;">Over 25°C</td> <td style="text-align: center;">D861 Slow</td> <td style="text-align: center;">D812</td> </tr> </table>		<i>MS Hardener</i>	<i>Thinner</i>	Up to 18°C	D803 Fast	D808	18°C - 25°C	D841 Medium	D807	Over 25°C	D861 Slow	D812
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<i>For exceptional conditions of temperature and humidity (&gt; 35°C / &gt;70%) the use of Very Slow Thinner D869 is recommended.</i>													
<i>Potlife</i>	3 hours / 20°C												
<i>Spray viscosity</i>	17 secs DIN4 / 20°C												
<i>Spraygun setup</i>	gravity 1.4 - 1.5 mm												
	suction 1.6 - 1.8 mm												
<i>Spray pressure</i>	4 bar												
<i>Number of coats</i>	1 light, 1 full												
<i>Flash off at 20°C: between coats before stoving</i>	10 - 15 minutes 15 minutes												

APPLICATION GUIDE	CONVENTIONAL SPRAY
<p><i>Drying times:</i>  <i>dust-free</i>  <i>20°C dry to handle</i>  <i>through dry:</i>  <i>20°C</i>  <i>60°C</i>  <i>IR medium</i></p>	<p>40 minutes  6 hours    20 hours  30 minutes*  15 minutes</p>
<p>* <i>Stoving times are for quoted metal temperature. Additional time should be allowed in the stoving schedule to allow metal to reach recommended temperature.</i></p>	
<p><i>Total dry film build:</i>  <i>minimum</i>  <i>maximum</i></p>	<p>50µm  60µm</p>
<p><i>theoretical coverage**</i></p>	<p>7 - 7.5 m<sup>2</sup> / l</p>
<p>** <i>Theoretical coverage in m<sup>2</sup> per litre ready-to-spray, giving 50 µm dry film thickness</i></p>	
<p><i>Flatting:</i>  <i>grade wet</i>  <i>grade dry</i></p>	<p>if over 24 hours  P800  P500</p>
<p><i>Overcoat / recoat time</i></p>	<p>8 hours</p>
<p><i>Overcoat with</i></p>	<p>Any PPG 2K primer or Deltron topcoat</p>

## PERFORMANCE AND LIMITATIONS

Allow the Deltron BC Basecoat Colour to flash off for 15 minutes (but no longer than 24 hours) before applying Deltron Concept 2001 Clear. The timing will depend on thickness and temperature.

## HEALTH AND SAFETY

- Please refer to Material Safety Data Sheets for full Health and Safety details.
- Deltron Hardeners and mixed Concept 2001 Clear contain isocyanate and therefore particular safety precautions must be taken.
- Goggles must be worn when mixing and using to prevent accidental splashing into the eye. If contact occurs with eyes give prolonged irrigation with water and get medical attention immediately.
- Good ventilation and extraction must be provided in the working environment.
- When spraying this product the operator (and persons in vicinity) must wear suitable air-fed breathing apparatus.
- Do not smoke whilst using this material.

## FLASH POINTS

Deltron MS Hardeners	21° - 55°C
Deltron Concept 2001 Clear D880 Deltron Thinners DX310 High-Strength Degreaser D845 DX330 Spirit Wipe D837 Degreasing Agent for Plastics D846	} Below 21°C
DX380 Low-VOC Cleaner D842	No flash point - water-based

This product is for professional use only. The information given in this sheet is for guidance only. Any person using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Drying times quoted are average times at 20°C. Film thickness, humidity and shop temperature can all affect drying times.



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