


**All safety equipment must be worn and used with this product before starting**

Product Name	
Full Product Name	<b>UE02 UV 1K Clearcoat (DTM)</b>
Type of Product	UV 1K Clear Coat (DTM)
Description	The UE02 UV 1K Clearcoat (DTM) is a high-performance UV Clear. It can be applied direct to metal and over solvent and waterborne basecoats. This product has excellent chemical resistance and weather resistance.

Products		
Product Name	Weight Solids %	Density g/mL    lbs/US gal
UE02 UV 1K Clearcoat (DTM)	40	0.98    8.38

Properties
<ul style="list-style-type: none"> <li>• Ultra-Fast Curing</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent levelling and Flow</li> </ul>
<ul style="list-style-type: none"> <li>• Chemical &amp; Weather Resistance</li> </ul>




Substrates
<ul style="list-style-type: none"> <li>• Applied to metal substrate directly</li> </ul>
<ul style="list-style-type: none"> <li>• Concept No Mix Basecoat System colours</li> </ul>
<ul style="list-style-type: none"> <li>• Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels</li> </ul>

Substrate Preparation	
 <b>All Substrates</b>	All surfaces must be free & cleaned from any contamination prior to application

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Product Preparation				
	<b>Mixing Ratio RFU</b>	<b>Ready For Use (RFU)</b>		
	<b>Reducer</b>	If needed		
	<b>Pot life @ 25°C (77°F)</b>	N/A		
	<b>Spray viscosity @ 25°C (77°F)</b>	<b>BSB 4 Cup Ford 4 Cup</b>	17-18 sec 15-16 sec	
	<b>Spray equipment</b>	<b>Gun type</b>	<b>Fluid tip</b>	<b>Spray pressure</b>
		<b>Gravity feed</b>	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4bar 30-35psi
		<b>Suction feed</b>	1.3-1.4 mm 0.051-0.055	200-240 kPa 2.0-2.4bar 30-35psi
		<b>HVLP</b>	1.2-1.3 mm 0.047-0.051	40-70kPa 0.4-0.7bar 6-10psi
	<b>Number of coats</b>	2	Apply two even medium wet coats with no flash off in between. Avoid heavy wet coats	
	<b>DFT Maximum Recommended</b>	30-40µm		
	<b>Flash off time @ 25°C (77°F)</b>	2 min		
	<b>UV Drying</b>	<b>CONCEPT UV LAMP @ 30°C (86°F)</b>	After 2 minutes flash off. Use UV Lamp irradiating 60 sec for curing. <b>USE ONLY THE CONCEPT UV B LAMP - VERY IMPORTANT THAT ALL SAFETY EQUIPMENT IS WORN</b>	
This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.				

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Remarks	
	Stir all products thoroughly each time before use Stir the mixture well after the weigh-out of the components.
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.
	For the best finish, avoid applying heavy coats on flat surfaces. A maximum Dry Film Thickness of 40-50 µm gives the best result.

Equipment Cleaning	
Use Recommended Concept Paints 035 Gunwash.	

Dry Film Properties	After UV light curing
Gloss	Very high
Hardness/Flexible	Excellent
Chemical resistance	Excellent
Durability	Excellent
Polishing	Excellent after UV curing

Product Data	
Colour	Colorless
Theoretical Coverage	Approx. 10 m <sup>2</sup> /L (at film thickness 30µm) Approx. 8 m <sup>2</sup> /L (at film thickness 40µm)
Shelf Life	12 months in original packing

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## Product Packaging

Product Code	Product Name	Package Size
AU78090000001	UE02 UV 1K Clearcoat (DTM)	1L
AU88092000001	Q17 UV Thinner	1L

## Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all **label and Safety Data Sheet (SDS) precautions**. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Monomer and Photoinitiator Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

**UV light can react with the skin and eyes causing burns and blindness. Over exposure can lead to melanomas. Only approved UV lamps should be used with these products. UV lamps must be held or installed in a manner that neither the operator and or surrounding people are exposed to direct light. Use only UV Safety Glasses / Goggles which comply with AS/NZS 1337. Gloves and long sleeves must be worn to protect skin from reflected light off painted surfaces.**

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This Technical Data Sheet supersedes all previous issues.

Concept Paints  
26-30 Charles Street  
St Marys NSW 2760  
Sydney, Australia

ph. +61 (2) 9673 2555  
fax. +61 (2) 9623 1918  
office@conceptpaints.com.au  
www.conceptpaints.com.au