



**AUTO REFINISH**

# Product Information

## **ENVIROBASE**

*Envirobase Colour  
T494 Deionised Water*

### **PRODUCTS**

Envirobase is waterborne basecoat colour for use in the repair and repainting of motor vehicles.

Applied as a part of a two-stage or multi-stage basecoat paint system, mixed Envirobase colour reproduces the original solid, metallic or mica paint finish of a vehicle.

Envirobase is a waterborne product, containing considerably less volatile organic compound (VOC) than conventional solventborne basecoat. This makes Envirobase particularly suitable for use in areas where VOC emissions or product VOC content are subject to legal restriction.

Product VOC content : Envirobase colour below 420g/lt

System VOC content : Envirobase with D894 High Solids Clear below 420g/lt\*

Envirobase with D893 Low VOC Performance Clear below 420g/lt\*

Envirobase with D8103 High Solids Clear below 420g/lt

\* A clear 'VOC compliant' mix ratio option may need to be used in certain cases. Please refer to individual clear product data sheet for details.

### **PREPARATION OF SUBSTRATE**

Apply over original stoved 2K finishes or PPG Deltron primers except:

D828 NCT Primer D836 / D838 Koba

D831 Universel D855 2+1



Degrease all surfaces to be painted with appropriate PPG substrate cleaner before wet sanding with P800 grade paper or dry sanding with P500 grade paper.

Wash off residues and dry thoroughly before re-cleaning with appropriate PPG substrate cleaner. The use of a tack-rack is recommended.

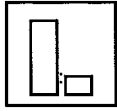
### **PRE-APPLICATION**

Hand-shake bottles of Envirobase tinter for a few seconds before use.

Mixed Envirobase colour should be thoroughly hand-stirred before application. If not used immediately it should be hand-stirred again before use.

Use nylon paint filters specially designed for use with waterborne paint materials.

## APPLICATION SET-UP

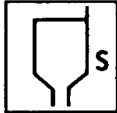


**Mixing ratio:** Envirobase Colour 100 vol  
Thinner 20 - 30 vol

**Thinner selection:**

<i>Temperature</i>	<i>Thinner</i>
Above 35°C	T495 Envirobase Slow Thinner
Below 35°C	T494 Deionised Water

T495 Slow Thinner should be used in conditions of low humidity, or ambient temperatures above 35°C.



**Spray viscosity** 18 - 22 seconds  
DIN4 at 20°C:

**Potlife:** Unlimited

## APPLICATION, FLASH-OFF AND DRYING



**Spraygun set-up:**

	<b>Small Surfaces</b>	<b>Large Surfaces</b>
		1.2 - 1.3 mm

**Number of coats:**

	3 - 4 light coats	2 - 3 medium coats
	( +1 control coat for metallics and micas )	



**Flash-off at 20°C / 60% relative humidity:** Use an airblower until the surface is touch dry

- between coats	1 - 2 minutes	3 - 4 minutes
- before clearcoat	Minimum 15 minutes	

**Total dry film build:** 10 - 20 µm

## REPAIR AND RECOATING



**Overcoat / Re-coat time:** Envirobase must be overcoated with a Deltron clearcoat after a flash-off of minimum 15 minutes; maximum 24 hours.

After 24 hours, 1 coat of Envirobase has to be applied prior to the clearcoat application.



**Overcoat with:** Deltron Clearcoats, except D800  
Deltron Primers, except D828 / D831 / D836/ D838 / D855

## SUITABLE CLEARS

D880	High Solids Clear
D893	Low VOC Performance Clear <i>(D893 is recommended for use on small surface repairs only where polishing of the clear is required)</i>
D894	High Solids Clear
D8103	High Solids Clear

## EQUIPMENT CLEANING

Clean all mixing equipment immediately after use, preferably using a dedicated waterborne equipment cleaning machine.

Use tap water, with a final rinse using deionised water or an alcohol-based cleaner such as D846.

Ensure all equipment is completely dry before storage or use.

## STORAGE & HANDLING

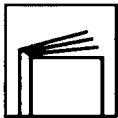


Envirobase tinters, Envirobase mixed colour & T494 Deionised Water should be stored in a cool, dry place away from sources of heat. During storage and transportation temperatures must be maintained at a minimum of +5°C and a maximum of +35°C. Avoid exposure to frost or freezing conditions.



Envirobase should be mixed in clean, dry containers and equipment. Do not use mixing vessels or spray equipment that contains solvent residues. Mixing vessels should ideally be plastic - if metallic they should have an internal anti-corrosion coating.

## WASTE HANDLING & DISPOSAL / HEALTH & SAFETY



For comprehensive Health, Safety and Environmental advice, please refer to the relevant Material Safety Data Sheets and Product Can Labels. Use the recommended safety equipment..

Store waterborne & solventborne wastes separately. All wastes must be handled by a competent agent with appropriate certification. Waste **must** not be disposed of into drains or watercourses.

## COMPATIBLE PPG PRIMERS AND SURFACERS

Envirobase may be applied directly over :

			<u>VOC Content</u>
D824	Prime-Fill	Low VOC 2K Surfacer	below 250g/ltr
D848		Waterborne 2K Epoxy Primer	below 250g/ltr
<i>(wet-on-wet application of Envirobase is possible over D848)</i>			
D821		High Solids Chip-Resistant Primer	above 250g/ltr
D825	K93	2K Tintable Surfacer	above 250g/ltr
D834	DP40	Chromate-Free 2K Epoxy Surfacer	above 250g/ltr
D839	Prima	2 Component Primer	above 250g/ltr
D847	Scansealer	Transparent Sealer	above 250g/ltr
D857	2K Rapid Filler	Fast Drying 2K Surfacer	above 250g/ltr
D8022	2K HS Filler	Fast Drying 2K Surfacer - Grey	above 250g/ltr

Envirobase **should not** be applied directly over :

D831	Universel	Wash Primer
D836	Koba Plus	2 Component Primer - Yellow
D838	Koba 2K 5+1	2 Component Primer - White
D855	2+1	Hi-Build Wash Filler

**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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