



1 AUTO REFINISH

GLOBAL  
REFINISH  
SYSTEM



# Product Information

## Global BC

**Basecoat Colour**

*Tinter Line Number – 432*

*Mixed Colour Line number - 452*

### PRODUCTS

Deltron Global Base Coat Tinters	D7xx, D9xx, D9XXX
Deltron Thinners	D870, D807, D872, D873
Deltron MS Hardener	D841

For matt, satin and textured finishes

Deltron Texture Additive                    D843 to create a fine textured 'suede' effect

Deltron Leather Grain Additive            D844 to create a coarser, more pronounced textured finish

### PRODUCT DESCRIPTION

The Global BC system consists of high opacity solid, metallic and Pearl / mica colours.

Global BC is designed for the repair of vehicles originally finished in a basecoat / clearcoat system

Used in conjunction with a recommended PPG repair system, Global BC meets or exceeds the performance requirements of motor manufacturer paint system warranties. As part of the Deltron Global Refinish System, Global BC carries a large number of OEM approvals.

### PREPARATION OF SUBSTRATE

#### SUBSTRATE

PPG 2K primers  
Electrocoat  
Sound 2K finishes  
TPA

#### PREPARATION

P500 - dry / P800 - wet  
Preprime - Do not topcoat direct  
P500 - dry / P800 - wet  
P500 - dry / P800 – wet - Must be sealed  
(e.g. D834)



Before and after any sanding operation, the substrate must be thoroughly degreased using D845 or D837. Use D837 only, prior to painting.

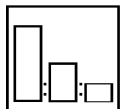
---

## Application Guide

### Basecoat

---

#### Mixing Ratio



##### Standard BC

BC	1 vol
Thinner	1 vol

##### Activated BC

BC	8 vol
D841	1 vol
Thinner	7 vol

**NOTE: GRS BC (Basecoat) activation** may be necessary in cases, such as high film builds (i.e. more than four coats), commercial vehicles, motorbikes, or wheel painting where a higher impact resistance is necessary. This applies to PPG Custom finishes within the Vibrance collection, such as Harlequin, Radiance II Candy, Prizmatique and 3-layer finishes.

**\*\* RFU mix ratios available on paint manager**

**Choose Thinner according to application temperature and repair area size**

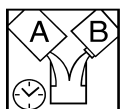
( see product manual section 3 general information )

	Thinner
Up to 18°C	D870
18°C – 25°C	D807
Over 25°C	D872

For exceptional conditions of temperature and humidity (>35°C or >70%) Extra Slow Thinner D873 may be used in BC.

---

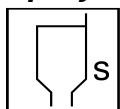
#### Potlife



Uncatalysed (no hardener)	No limit
Catalysed (with hardener)	6 hours

---

#### Spray Viscosity



15 secs DIN4  
at 20°C

---

#### Spraygun Setup



1.3 – 1.4 mm

<b>Spray Pressure - HVLP /RP</b>	1.3 -1.8 bar / 20 - 25 PSI
<b>- Conventional</b>	1.8 - 2.5 bar / 25 - 35 PSI

---

---

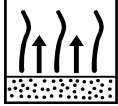
## Number of Coats



2 - 3 medium wet coats  
( + 1 light control coat for metallics if required )

---

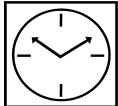
## Flash Off at 20°C



<i>Between coats</i>	5 - 10 minutes
<i>Before clearcoat</i>	15 minutes

---

## Drying Times at 20°C



<i>Tape time standard BC</i>	15 minutes
<i>Tape time Activated BC</i>	30 minutes

---

## Technical Data

### Total Dry Film Build

Minimum	10 µm
Maximum	25 µm

*Theoretical Coverage\** 3.5–7 m<sup>2</sup>/L ready-to-spray

\* Assuming 100% transfer efficiency and dry film thickness as indicated

### Flash Points

BC Colour, D870, D871, D872, D873, D845, D837, D846	Refer PPG MSDS Refer PPG MSDS
---	----------------------------------

---

## Sanding



*Grade damp -*

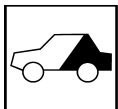
To remove minor defects in Global BC, de-nib after 20 minutes flash-off using fine sand paper (P800 - P1200 or P1000 Abralon damp) followed by more base coat prior to the clearcoat application. Use damp fine sandpaper only and avoid using excessive water when de-nibbing.

---

**\*\* Do not wet sand large areas of Global BC basecoat. Wet sanding can lead to excessive water absorption by the basecoat and can downgrade the mechanical properties of the system particularly in the subsequent topcoats.**

---

## Overcoat/Recoat Time Activated / Unactivated



*After 12 hours*

15 minutes minimum prior to clearcoat application  
12 hours maximum prior to clearcoat application  
After 12 hours Deltron BC has to be re-applied prior to clearcoat application

---

## Overcoat with

Any approved PPG Global clearcoat

---

## ***Basecoat Blend – out Technique***

Blending out Deltron BC is advisable when metallic or mica colours have to be repaired.

### ***Preparing the blend area***

Ensure the whole area to be painted has been thoroughly cleaned using D845 or D837 Spirit Wipe. Thoroughly flatten the area using Abralon P1000-2000. Use the Abralon damp applying water with a water sprayer bottle on to the Abralon pad or paint surface, then flat the area to be painted by hand or 3mm orbital sander. The blend area should have a uniform matt appearance.

Clean panel thoroughly using D837 Spirit Wipe prior to applying paint.

***Tip 1:*** Some OEM clears can be soft and, using various scouring pads can cause a gouging type effect. This will appear as sand scratching, particularly in the back of the blended area. To resolve this, apply 1 uniform medium wet coat of D895 Colour Blender to the area that is to have colour and clear applied to it. This will make the blending process easier and also stop any deep scratches appearing at the back of the blended area, especially in silver and gold metallics.

***Tip 2:*** PPG recommend sealing the whole panel by applying the first coat of clear 50mm from the adjoining panel followed by a second coat of clear over the entire panel. This process will assist in reducing the darkening of panels particularly in lighter colours.

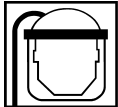
## EQUIPMENT CLEANING

After use, clean all equipment thoroughly with cleaning solvent or thinner.



### Health and Safety

Please refer to Material Safety Data Sheets for full Health and Safety details.



- Global Hardeners and activated Global BC and PG 2K Clearcoats 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.
- Wear suitable protective equipment to prevent skin contact with this material.
- When spraying this product the operator (and persons in vicinity) must wear suitable air-fed breathing apparatus.
- Do not smoke whilst using this material.

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 inquiries 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/68°F. Film thickness, humidity and shop temperature can all affect drying times.



**PPG INDUSTRIES AUSTRALIA  
PTY LIMITED  
McNaughton Road  
Clayton VIC Australia 3168**

**Tel: 13 2424  
Fax: 1800 800 819**

**PPG INDUSTRIES NEW ZEALAND  
PTY LIMITED  
5 Vestey Drive Mt. Wellington  
Auckland New Zealand**

**Tel: 0800 320 320  
Fax: 0800 320 322**