



DELTRON[®]



Product Information

Deltron BC

Basecoat Colour

Tinter Line Number – 432

Mixed Colour Line number - 452

PRODUCTS

Deltron Global Base Coat Tinters	D7xx, D9xx, D9XXX
Deltron Thinners	DT810,DT820, DT830, DT840
Deltron MS Hardener	DH720

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

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

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

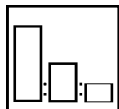


Before and after any sanding operation, the substrate must be thoroughly degreased using D845 or D837. Use D837 only, prior to painting.

Application Guide

Basecoat

Mixing Ratio



Standard BC

BC	1 vol
Thinner	1 vol

Activated BC

BC	7 vol
DH720	1 vol
Thinner	8 vol

NOTE: DELTRON 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.

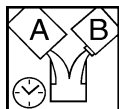
**** RFU mix ratios available on paint manager**

Choose Thinner according to application temperature and repair area size
(see product manual section 3 general information)

	Thinner
Up to 18°C	DT810
18°C – 25°C	DT820
Over 25°C	DT830

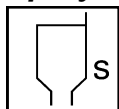
For exceptional conditions of temperature and humidity (>35°C or >70%) Extra Slow Thinner DT840 may be used in BC.

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

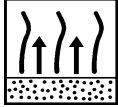
Spray Pressure - HVLP /RP	1.3 -1.8 bar / 20 - 25 PSI
- Conventional	1.8 - 2.5 bar / 25 - 35 PSI

Number of Coats



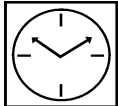
2 - 3 medium wet coats
(+ 1 light control coat for metallics if required)

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 m²/L ready-to-spray

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

Flash Points

BC Colour,	Refer PPG MSDS
DH Hardeners & DT Thinners	Refer PPG MSDS

Sanding



Grade damp -

To remove minor defects in Deltron 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 Deltron 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.

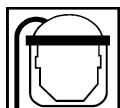
EQUIPMENT CLEANING

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.



- Deltron Hardeners and activated Deltron 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.



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