



January 2007

Product Information



Engine Bay Repair System Engine Bay Converter D8011

D8011 Engine Bay Converter

PRODUCT DESCRIPTION

Deltron Engine Bay Converter, D8011 is designed to simplify repairs where there are specific engine bay colours, and forms an integral part of the PPG systems designed to meet forthcoming European Legislation. Dedicated Engine Bay colour formulas are provided as part of the PPG Progress UHS DG colour retrieval system. They are designed to match the OE finish in internal areas, and at the same time provide fast, efficient process to complete the topcoating of both internal and external repair areas.

New engine bay colour formulations on colour IT systems and microfiche, include D8011. Once activated and thinned, the resultant mix is capable of providing an accurately matched finish for engine bay (and other internal) areas, and a recoatable, wet on wet, layer to all external panels that need to be topcoated.

This removes the need to undercoat and colour the internal area, and allows fast process times for internal and external areas to be coated in one step.

PREPARATION OF SUBSTRATE



Apply over electrocoated panels, original stoved finishes or recommended PPG primers after first wet flattening with P600 - P800 grade paper or dry flattening with P360 - P400.



Before and after any sanding operation, the substrate must be thoroughly degreased. Use an appropriate substrate cleaner/degreaser. PPG make a range of cleaning & degreasing products. See Technical Datasheet **Deltron Cleaners RLD63V**.

These products are for professional use only.

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MIXING RATIOS

Mix the Engine Bay colour in accordance with the PPG colour information on IT systems or microfiche:

DO NOT add any D8456 Matting Base.

Then:

Engine Bay Colour	5 parts
D8216/7/8 Hardener	1 part
D8701/8702 Thinner	2 parts

* Choose HS Hardener and Thinner according to application temperature and size of repair:

HARDENER AND THINNER SELECTION

<u>System</u>	<u>UHS Hardener</u>	<u>Additive Thinner</u>	<u>Time before overcoating</u>
Express	D8216	D8701 / 8702	15 minutes at 20°C
Fast	D8217	D8701 / 8702	20 minutes at 20°C
Standard	D8218	D8701 / 8702	25 minutes at 20°C

The choice of additive thinner should be made according to application temperature, air movement and size of repair. The following temperature ranges should be used for guidance only. D8701 - up to 30°C, D8702 - over 30°C.

Normally this Engine bay system does not require flattening and should be directly topcoated. If some dirt inclusions occur, then light flattening / denibbing can be carried out after 20 - 30 minutes using P1200 or finer flattening paper.

Areas requiring topcoating can be directly topcoated with Envirobase or Deltron Progress UHS DG topcoats.

MIXING RATIOS

Potlife 1 hour at 20°C - D8217 / D8218
45 minutes - D8216

Spray viscosity 15 - 17 secs DIN4 / 20°C

SPRAYGUN SET UP

Compliant Spraygun 1.3 - 1.4 mm
Spray pressure 2 bar

Number of coats thickness Apply one double coat or 2 single coats to give a dry film of 25 - 40 microns.

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FLASH OFF AT 20°C:

Between coats

5 minutes between coats if using single coats.

PROCESS STEPS

1. Select the Engine Bay colour using the Engine Bay colour Directory or colour swatch.
 2. Using the normal colour retrieval system, mix the Deltron Progress UHS DG Engine Bay Colour, which includes the addition of D8011 Engine Bay Converter.
 3. Activate and thin the Engine Bay Colour, as recommended, and apply to both the Engine bay (or other internal areas) and all external panels that need topcoating.
 4. Flash off for the designated time (depending upon hardener / thinner options used). Mask off the internal area, if necessary.
 5. Apply the topcoat and bake. Engine Bay colours can be overcoated with either Envirobase + Clearcoat or Deltron Progress UHS DG colour.
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VOC INFORMATION

The EU limit value for this product (product category: IIB.e) in ready to use form is max. 840g/litre of VOC.

The VOC content of this product in ready to use form is max. 540g/litre.

Depending on the chosen mode of use, the actual ready to use VOC of this product may be lower than that specified by the EU Directive code.

HEALTH AND SAFETY

These products are for professional use only, and are not to be used for purposes other than those specified. The information on this TDS is based on present scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the product for the intended purpose. For Health and Safety information please refer to the material Safety Data Sheet, also available at: http://www.ppg.com/PPG_MSDS

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