



GLOBAL REFINISH  
SYSTEM



April 2010

# Product Information



## **RAPID GREYMATIC 2K Filler**

*D8010 Light Grey*  
*D8015 Grey*  
*D8017 Dark Grey*

### **PRODUCT DESCRIPTION**

2K RAPID GreyMatic is a range of 2K primer surfacers suitable for a wide range of repair work. Versatile, quick-drying and easy to apply and sand, they offer excellent film build, surface levelling and gloss holdout over a wide range of substrates such as sound original paintwork, bare steel, polyester body fillers and suitable adhesion primers.

They may be air dried, low baked or IR cured.

Rapid GreyMatic may be directly overcoated with Envirobase, Deltron Progress UHS DG or Deltron GRS UHS DG.

By combining D8010, D8015 and D8017, GreyMatic shades 1, 3, 5, 6 and 7 may be obtained.  
(See **GreyMatic** section)

### **PREPARATION OF SUBSTRATE – DEGREASING**



Before any preparation work, wash all surfaces to be painted with soap and water. Rinse and allow to dry before degreasing with a suitable PPG substrate cleaner:

Ensure all substrates are thoroughly cleaned and dried before and after each stage of the preparation work. Always wipe substrate cleaner off the panel surface immediately, using a clean, dry cloth.

Please see the **Deltron Cleaners (RLD63V)** Technical Data Sheet for appropriate cleaning & degreasing products.

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## PREPARATION OF SUBSTRATE - PRIMING & SANDING



**Bare Steel** should be lightly abraded and completely rust free before application. Rapid GreyMatic may be applied directly, but bare metal primers Universel or an epoxy primer is recommended where optimum adhesion and corrosion resistance is required.



**Other bare metals** should be pre-primed with either Universel or an epoxy primer.  
**Electropaint** should be sanded with P360 grade paper (dry) or P800 grade (wet).



**Original Paintwork or Primers** should be sanded using P280-P320 grade paper (dry) or P400-P500 grade paper (wet). Spot prime any exposed bare metal with bare metal primer Universel or an epoxy primer.



**GRP or Fibreglass** should be sanded using P320 grade paper (dry).

**Polyester Fillers** should be dry sanded using a sequence of grade of paper grades suitable for the chosen application of:  
P80-P120 when using as a spray filler.  
P80-P120-P240 when using as a primer surfacer or non-sand surfacer.

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## HARDENER & THINNER SELECTION

Using:

**MS Hardeners**

**Temperature**

Up to 25°C

25-35°C

Above 35°C

**MS Hardener**

D864

D803

D841

**Thinner**

D866/D807

D812

D869

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## MIXING

Applied as a:

**Primer - Filler**

Mixing Ratio:

RAPID GreyMatic

6 vol

MS Hardeners

1 vol

Thinner

1.5 vol

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## MIXED PRODUCT DETAILS

Potlife at 20°C:

45-50 minutes

Spray viscosity



DIN4/20°C :

25 sec





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## SPRAYGUN SETUP

	<i>Applied as a:</i>	<b>Primer- Filler</b>
	Fluid Tip, Gravity :	1.6 - 1.8 mm
	Suction :	1.8 - 2.0mm
	Pressure :	Follow spraygun manufacturer's recommendations




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## APPLICATION GUIDE

	<i>Applied as a:</i>	<b>Primer- Filler</b>
	Number of coats :	max. 3
	Flash off/20°C: - between coats	10 minutes
	- before stoving	5 minutes

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## DRYING

	<i>Applied as a :</i>	<b>Primer - Filler</b>
	Dust free/20°C	10 minutes
	Touch dry/20°C	1 hour
	Sandable/20° Under 100 microns	2-3 hours
	Above 100 microns	3 hours
	Through dry/60°C	30 minutes*
	Through dry/ IR medium	20 minutes

\* Drying time once substrate reaches 60°C metal temperature.



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## FILM PROPERTIES

*Applied as a :*

**Primer- Filler**

Dry film builds :

- minimum

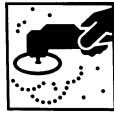
100 $\mu$

- maximum

200 $\mu$

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## SANDING



By Machine Dry:  
P400



By Hand Wet  
P800

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## TOPCOATING

RAPID GreyMatic may be overcoated directly with the following topcoat products:

Global Refinish System/Deltron UHS Ultra High Solids Direct Gloss Colour

Global Refinish System/Deltron Progress UHS Direct Gloss Colour

Envirobase Waterborne Basecoat Colour





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## RAPID GREYMATIC COLOUR SELECTION

	G1	G3	G5	G6	G7
D8010	100	65	--	--	--
D8015	--	35	100	48	--
D8017	--	--	--	52	100

GreyMatic shades are selected according to topcoat colour. The recommended GreyMatic shade for any colour can be referenced in the PPG colour information systems.

After selecting the correct GreyMatic shade for the topcoat colour, the primer shades are made by reference to the chart above. GreyMatic G1, G5 and G7 are available straight from the can. GreyMatic 3, 5 & 6 can be made using blends of D8010/D8015/D8017 as indicated above.

**Mix with hardener & thinner as indicated in this TDS before application.**

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## LIMITATIONS



Accelerators should NOT be used. Part used cans of hardener must be carefully closed immediately after use. All equipment must be perfectly dry. Use of RAPID GreyMatic is not recommended when humidity levels exceed 80%.

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## FLEXIBLE SUBSTRATES:

Mixing Ratio:	Rapid GreyMatic	4 vol
	Hardener	1 vol
	D814	1 vol
	Thinner	1 vol
Number of coats		1-2
Spray viscosity, DIN4/20°C		16 - 20 sec
Flash-off between coats		10 minutes
Pot Life at 20°C		40 – 50 minutes



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## VOC INFORMATION

The EU limit value for this product (product category: IIB.c) in ready to use form is max. 540g/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.

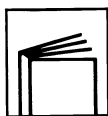
**Note:**

Combinations of this product with D814 will produce a paint film with special properties as defined by the EU Directive code.

**In these specific combinations:** 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. 840g/litre.

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## 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: [www.ppgrefinish.com](http://www.ppgrefinish.com)

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