



GLOBAL REFINISH
SYSTEM



July 2014

Product Information



GRS DELTRON® D8122 CERAMICLEAR™ 8122

CeramiClear 8122 Clear

PRODUCTS

<i>Deltron CeramiClear 8122 Clear</i>	D8122
<i>Deltron UHS Hardener</i>	D8302
<i>Deltron Thinners</i>	D8717, D8718, D8719
<i>Deltron Accelerated Thinner</i>	D8714

PRODUCT DESCRIPTION

Deltron CeramiClear 8122, is a 2K acrylic urethane Clearcoat, for the repair and repainting of original CeramiClear Clearcoat, over a single or multistage colour basecoat system. D8122 contains the CeramiClear technology that gives excellent scratch resistance. D8122 is designed for use over ENVIROBASE® High Performance Basecoat.

PREPARATION OF SUBSTRATE

Deltron D8122 CeramiClear 8122, must be applied on top of a clean and dust free basecoat. The use of a tack rag is recommended.

MIXING RATIOS

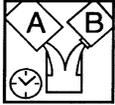
Mixing ratios with HS Hardeners (by volume)	D8122	3
	UHS Hardener	1
	Thinner*	0.5

As with all ultra high solids products, cold ready for use paint temperatures can lead to more difficult application and overspray absorption. It is strongly recommended that ready for use product is applied at a temperature greater than 15°C

*HARDENER AND THINNER SELECTION

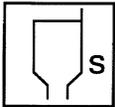
Choose UHS hardener and thinner according to application temperature:

Temperature	UHS Hardener	Thinner
Up to 25°C	D8302	D8714/D8717/D8718
25°C - 35°C	D8302	D8718/D8719



Pot Life at 20°C

1 hour with D8302 hardener and D87xx Thinner
30 min. with D8302 hardener and D8714 Accelerated Thinner



Application Viscosity

19 - 21 seconds / DIN4 / 20°C

APPLICATION AND FLASH OFF



Spraygun set-up:

1.3 - 1.6 mm

Conventional Two Coat Process

Application

Apply 2 single coats to give 50-60 microns dry film build.

Flash off between spray coats
Flash off before bake or IR dry

10 minutes
5 – 10 minutes

Express Single Visit Process

Application

Apply 1 medium & 1 full coat to give 45-50 microns dry film build.

Flash off between spray coats

The first coat should be applied to all repair panels before the second coat is applied.

For less than 3 panels, 2-3 minutes
For more than 3 panels, no flash off is required.

Flash off before bake or IR dry

5 – 10 minutes

DRYING TIMES



Dust Free at 20°C
Dry to handle at 20°C
Through dry at 20°C
Through dry at 60°C

20 - 25 minutes
6 hours
24 hours
35 minutes with D8302 hardener / D87xx Thinner
20 minutes with D8302 hardener / D8714 Accelerated Thinner
15 minutes (IR drying is colour dependant)

Through dry with IR
(medium)

Stoving times are for quoted metal temperature. Additional time should be allowed in the stoving schedule to allow the metal to reach recommended temperature.

Total Dry Film Thickness 50 - 60 microns

Theoretical coverage 8 m²/l - Assuming 100% transfer efficiency



REPAIR AND RECOATING

Sanding: Essential before recoating to ensure good adhesion

- *Grade wet* P800
- *Grade dry* P400

Overcoating / Re-Coat time

- *After force drying / IR* After Cooling
- *Air Drying at 20°C* Minimum 12 hours

Overcoat with: PPG 2K Primers, *Envirobase* High Performance, *Deltron* GRS Topcoats

SPOT REPAIR PROCEDURES

- Apply GRS *Deltron* D8122 CeramiClear according to the 'Application, Flash-Off and Drying' section above.
 - Take care to minimise the clearcoat edge in the fade-out area using spraygun technique.
 - Melt overspray edge using D8731 Aerosol Spot Blender or D8430 Spot Blender.
 - Refer to datasheet No: RLD299V for successful repair.
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POLISHING

Low Bake or IR drying Minimum 1 hour after cooling
Air Drying at 20°C Minimum 12 hours after application

WEIGHT MIX TABLE FOR D8122 (using D8717/18/19 Thinners)

GUIDELINES FOR WEIGHT MIXING			
Where a specific volume of clearcoat mix is required, this may be best achieved by weight mixing, using the guidelines below.			
The weights are cumulative - please do NOT tare the balance between additions.			
Target Volume of RFU Paint required (Litres)	Weight Clearcoat D8122	Weight UHS Hardener D8302	Weight Thinner D8717/18/19
0.10 L	66 g	90 g	99 g
0.25 L	166 g	226 g	248 g
0.33 L	219 g	298 g	328 g
0.60 L	396 g	540 g	594 g
0.75 L	499 g	677 g	745 g
1.00 L	665 g	903 g	994 g



ACCELERATED THINNER SELECTION

Use of D8714 Accelerated Thinner

D8714 Catalyst Thinner can be used for only in combination with D8302 Hardener where rapid curing is required. Some reduction in final appearance may be noticed when using D8714. This combination should be used immediately after mixing.

EQUIPMENT CLEANING

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

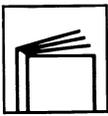
VOC INFORMATION

The EU limit value for this product (product category:11B.d) in ready to use form is max. 420g/litre of VOC.

The VOC content of this product in ready to use form is max. 420g/litre

Depending upon 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: www.ppgrefinish.com

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