



Product information

GRS Deltron D8122 CeramiClear™8122

CeramiClear 8122 Clear

PRODUCTS

Deltron CeramiClear 8122 Clear	D8122
Deltron HS Hardeners	D897 / D8208
Deltron Thinners	D807, D812, D869
CeramiClear Fade Out Thinner	D8425
Deltron Pot Life Extender	D886
Deltron Enhancer	D885

PRODUCT DESCRIPTION

Deltron CeramiClear 8122, is a 2K acrylic urethane Clearcoat, for the repair and respray of vehicles originally finished with 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 GRS Deltron BC or Envirobase colour.

Deltron CeramiClear 8122 has an organic solvent content lower than conventional clearcoats. This makes it particularly suitable for bodyshops operating in areas where VOC emissions or product VOC content is restricted and productivity is an issue.

PREPARATION OF SUBSTRATE

Deltron D8122 CeramiClear , must be applied on top of a clean and dust free basecoat (either Deltron BC or Envirobase). The use of a tack rag is recommended.

APPLICATION GUIDE

MIX RATIOS

Mixing ratios with HS Hardeners	D8122	3 vols
	HS Hardener*	1 vol
	Thinner *	0.5 vols

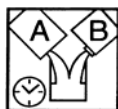
HARDENER AND THINNER SELECTION

Choose HS hardener and thinner according to application temperature:

<i>Temperature</i>	<i>HS Hardener</i>	<i>Thinner</i>
Up to 18°C	D8208	D808
18°C - 25°C	D897	D807
Over 25°C	D897	D812

For exceptional conditions of temperature and humidity (over 35°C / Over 70%RH) the use of D869 Very Slow thinner is recommended.

Use HS Hardener D8208 / D808 for Spot Repairs.



Pot Life at 20°C	1 hour with D897 hardener
	2 hours with D897 and Pot Life extended thinner



Application Viscosity	19 - 21 seconds / DIN4 / 20°C
-----------------------	-------------------------------

APPLICATION, FLASH OFF AND DRYING

Spraygun Set Up 1.3 - 1.6 mm

Express System

1 light / medium coat

|

No Flash Off

|

1 Full Coat

|

5 - 10 minutes Flash Off

|

Low-bake/IR/Air Dry

Conventional System

1 medium coat

|

10 minutes Flash Off

|

1 Full Coat

|

10 minutes Flash Off

|

Low-bake/IR/Air Dry

Drying Times:

Dust Free at 20°C	20 - 25 minutes
Dry to handle at 20°C	6 hours
Through dry at 20°C	24 hours
Through dry at 60°C	30 - 40 minutes
Through dry with IR (medium)	15 minutes (depends upon colour)



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

Drying times may be reduced by using D885 Deltron Enhancer.

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: GRS Deltron 2K primers, Envirobase, GRS Deltron Topcoats

SPOT REPAIR PROCEDURES

For Spot repair and Fade Out procedures, refer to Technical Datasheet RLD152 (D8425 CeramiClear Fade Out Thinner).

POLISHING

Low Bake or IR drying Minimum 1 hour after cooling

Air Drying at 20°C Minimum 12 hours after application

PERFORMANCE AND LIMITATIONS

D8122 can be mixed 3:1:1 with D897 and thinner, in areas where VOC is not a concern. At this mixing the application method is - 1 medium coat, 10 minutes flash off, 1 full coat, 5 - 10 minutes flash off, Low bake / IR or Air dry.

D8122 may be used with D885 Deltron Enhancer. Please refer to the Datasheet RLD188.

D8122 may be used with D886 Deltron Pot Life Extender. Please refer to the datasheet RLD188.

EQUIPMENT CLEANING

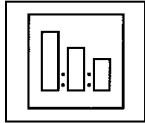
After use, clean all equipment thoroughly with cleaning solvent or thinner.

VOC INFORMATION

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

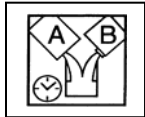
The VOC content of this product in ready to use form is max. 420g/litre

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.



Mixing by volume

With HS Hardener - 3:1:0.5



Pot Life at 20°C 1 hour with normal thinner and D897 hardener
 1 hour with enhanced thinner and D887 Hardener
 2 hours with Potlife extended thinner and D897 Hardener

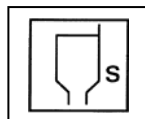
Hardener / Thinner Selection

Up to 18°C D8208 HS Accelerated Hardener
 D808 Fast thinner

18 - 25°C D897 HS Hardener
 D807 Thinner

Over 25°C D897 HS Hardener
 D812 Slow thinner

For exceptional conditions of Temperature and humidity (above 35°C or 70% RH) the use of D869 Very Slow thinner is recommended.



Application viscosity

19 - 21 seconds DIN4



Spraygun Size

1.3 - 1.6 mm fluid tip



Number of Coats

Conventional - 1 medium coat, 10 minute flash off, followed by 1 full coat
 Express - 1 light/medium coat, immediately followed by 1 full coat



Drying Times

10 minutes flash off before stoving.
 Dust Free - 20 - 25 minutes
 Through dry at 20°C - 24 hours
 Through dry at 60°C - 30-40 minutes

HEALTH AND SAFETY



These products are for the professional painting of Automotive Vehicles 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

PPG Industries (UK) Limited.
Auto Refinish
Customer Service and Sales Group,
Needham Road,
Stowmarket,
Suffolk.
IP14 2AD,
England.
Tel: 01449 771775
Fax: 01449 773480

