



DELTRON[®]



Product Information

D8122

D8122 CeramiClear[®] 8122

PRODUCTS

Deltron Clear	D8122
Deltron Hardeners	D897, D8208
Deltron Thinners	DT810, DT820, DT830, DT840
Deltron DG Fade-out Thinner	Not recommended

For matt, satin and textured finishes or painting of flexible substrates:

Use Conventional Clearcoats if required .i.e. D8115 - D8117.

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 Deltron BC or Envirobase High Performance colour. The performance of D8122 in a recommended PPG repair system meets or exceeds motor manufacturer warranty requirements and the Deltron system carries many OEM approvals.



Preparation of Substrate

- Deltron D8122 CeramiClear[®] 8122 must be applied on top of a clean and dust-free Deltron basecoat or Envirobase High Performance basecoat (the use of a clean tack rag is recommended to remove dust from the basecoat film).
- Fully cured PPG Refinish Clearcoats that have been degreased and sanded.
- Sound OEM Clearcoats that have been degreased and sanded.

Substrates other than those stated should be tested before use, to ensure that the performance of the product is suitable for its intended use.

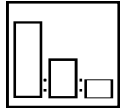
Application Guide

D8122 CeramiClear® 8122 is a versatile 2 pack clearcoat that can be used in a conventional system i.e. 2 coat method or an express system i.e. single visit mode

Conventional System

Express System

Mixing Ratio



D8122 3 vols
 HS Hardener 1 vol
 Thinner 1 vol

D8122 3 vol
 HS Hardener 1 vol
 Thinner 0.5 vol

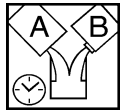
** Choose Hardener and Thinner according to application temperature and the size of the area being painted (see section 3 of the product manual) **RFU mixing available on Paint Manager**

Hardener : Thinner

	1-2 panels	3 panels	Front end	Full respray
Up to 18°C	D8208:DT810	D8208:DT820	D897:DT820	D897:DT830
18°C – 25°C	D8208:DT820	D897:DT820	D897:DT830	D897:DT830
Over 25°C	D897:DT820	D897:DT830	D897:DT830	D897:DT840

For exceptional conditions of temperature and humidity (>35°C and >70%) the use of Extra Slow Thinner DT840 is recommended.

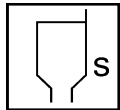
Potlife



1 hour @ 20°C

1 hour @ 20°C

Spray Viscosity



17 – 18 secs DIN4 @ 20°C

19 - 21 secs DIN4 @ 20°C

Spraygun Setup



1.3 – 1.4 mm

Spray Pressure

HVLP / RP
Conventional

2 – 3 bar
 45 – 55 PSI / 300-380 KPA

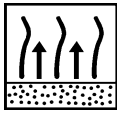
Number of Coats



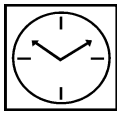


1 light closed coat
 followed by 1 full coat

Apply 1 light closed & 1 full coat. The first coat should be applied to all repair panels before the second coat is applied.

Application Guide

		Conventional System	Express System
Flash Off at 20°C			
	<i>Between coats</i>	5 minutes*	For less than 3 panels - 2-3 minutes
	<i>Before Baking</i>	N/A	For 3 or more panels - no flash off is required. N/A

Drying Times

	<i>Dust-free</i>	20 - 25 minutes	20 - 25 minutes
	<i>20°C dry to handle</i>	6 hours minimum	6 hours
	<i>Through-dry 20°C</i>	24 hours	24 hours
	<i>Through-dry 65°C</i>	30-40 minutes	30 minutes
	<i>IR Short wave</i>	10 – 15 minutes depending on colour	10 – 15 minutes depending on colour

* Bake times are for quoted metal temperature. Additional time should be allowed in the baking schedule to allow metal to reach recommended temperature.

Technical Data

Total Dry Film Build 50 – 60 µm

Theoretical Coverage* 8 m²/L

* Theoretical coverage in m²/L ready-to-spray, giving 50 µm dry film thickness.

Flash Points

See PPG MSDS

Overcoat/Recoat Time



Sanding:

Essential before recoating to ensure good adhesion
P500 (dry)
P800 (wet)

Overcoat / recoat time:

- Force dry 60°C or IR
- Air dry at 20°C

After cooling
Minimum 12 hours

Overcoat/Repair with

Any PPG Global 2K primer, Global topcoat or Envirobase.



POLISHING

*Low bake or IR force
drying:*

Air drying at 20°C:

Minimum 1 hour after cooling

Minimum 20 hours after application

PERFORMANCE AND LIMITATIONS

PPG D8122 CeramiClear® 8122 as a scratch resistant clearcoat requires a special process for removing dust and polishing. Some coarser compounds may cause scratching of the surface leading to swirl or hologram type scratch marks.

PPG recommends the use of the Polarshine polishing system for the successful polishing of both Refinish and OEM CeramiClear® clearcoat.

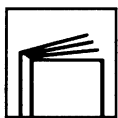
Polishing should be completed within 24 hours of baking.

If a damaged part has to be repaired without replacing it, it is absolutely necessary to sand the OE CeramiClear® thoroughly. Superficial sanding can result in adhesion problems.

When blending of basecoat colour is required into adjacent OEM CeramiClear® panels, detail sanding using P800 dry followed by Abralon P1000 damp or P1000/P1200 wet should be carried out. Using scouring pads will not key the surface sufficiently, which will lead to mechanical property failures such as poor adhesion.

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 and product can labels.

- Global Hardeners and activated D8122 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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