



November 2023

Product Information



DP7000 Air-Dry Primer

Products

D8561	DP7000 Air-dry Primer G1
D8565	DP7000 Air-dry Primer G5
D8567	DP7000 Air-dry Primer G7
D8270	DP7000 Hardener
D8727	DP7000 Standard Thinner
D8728	DP7000 High Temp Thinner

PRODUCT DESCRIPTION

Air-Dry Primer, DP7000 is a fast-drying 2K primer, designed to reduce energy cost and optimize the primer processes in the shop.

Main characteristic of this new primer is the fast-Air-drying, and the excellent sanding properties.

The new PPG branded Air-dry Primer will provide customers a best-in class 2K acrylic primer.

It is a VOC Compliant primer that conforms to the European VOC directive and it is available in three grey shades, providing the opportunity to mix a range of greys to find the most suitable to optimize each topcoat color.

This new PPG primer is launched alongside dedicated ancillaries to suit a wide range of temperature conditions.

- Easy to apply in one visit application.
- Application in 1 light coat followed by 2-4 full coats without flash-off
- Fast drying and easy to sand.



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 **Deltron Cleaners (RLD63V)** Technical Data Sheet for appropriate substrate cleaning and degreasing products.

PREPARATION OF SUBSTRATE - PRIMING & SANDING

Bare Metal should be lightly abraded, degreased and completely rust free before application.

Air-Dry Primer, DP7000 may be applied directly to small areas of bare steel. For larger size of bare steel use ADHW-50 Adhesion wipes.



Apply the cloth to the bare, previously well cleaned metal substrate (ADHW-50 is not a cleaning cloth!) and allow it to flash off until matt before applying the Air-Dry Primer.

ADHW-50 Adhesion Wipe Process: Apply the wipe on bare metal and leave it to flash off till mat prior Air-Dry Primer application.



For optimum adhesion and corrosion protection use Wash-etch or Epoxy Primers.

If epoxy primer is used, ensure sufficient flash-off time or allow to dry completely before applying Air-Dry Primer.

Electropaint should be sanded with P320-P400 grade paper (dry).

Original Paintwork or Primers should be sanded using P320-P400 grade paper (dry)

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



Polyester Fillers should be dry sanded using a sequence of paper grades suitable for the application of DP7000. (P80-P120-P180-P240).



Plastics:

- Air-Dry Primer can be applied directly to common automotive plastics
- Using Envirobase HP topcoat no plastic primer is needed.

NOTE Direct Gloss Deltron UHS Progress new D600X, is not recommended as topcoat on plastic substrate.



GREYMATICS

The mixtures below should be activated and thinned in the normal way before spraying.

For each of the DP7000 primer variants specified the following weight mix ratios apply:

	G1	G3	G5	G6	G7
D8561	100	80	--	--	--
D8565	--	20	100	20	--
D8567	--	--	--	80	100

MIXING BY VOLUME

D856x Air-Dry Primer	3
D8270 Hardener	1
D8727/28. STD. or HT. Thinner	0,5

MIXING BY WEIGHT

The weights are cumulative - please do **NOT** tare the balance between additions.

Volume of RFU paint required (Litres)	Wt. Primer Grams (3 Parts)	Wt. Hardener Grams (1 Part)	Wt. Thinner (Std.) Grams (0,5 Part)	Wt. Thinner (HT) Grams (0,5 Part)
0.25 L	280,0	335,8	360,3	360,8
0.5 L	560,0	671,7	720,5	721,5
0.75 L	840,0	1007,5	1080,8	1082,3
1.0 L	1120,0	1343,3	1441,0	1443,0
1.5 L	1680,0	2015,0	2161,5	2164,5



RFU MIXED PRODUCT DETAILS

Pot-life at 20°C	30 minutes – Double the viscosity in 45 min
Viscosity RFU	17-18 seconds DIN4 cup at 20°C.

SPRAYGUN SET UP

Spray Nozzle:	1.4 - 1.6 mm Fluid Tip (not higher) Needle adjustment: 2 turns out
Spray Pressure:	Full Panel: 2.0 Bar inlet pressure Spot Application: 1.2-1.5 Bar inlet pressure

APPLICATION AND FLASH OFF



One visit Application

1 light & 2-3 full coats (max. 4 coats if necessary)

The first coat should be applied as a light closed coat. Second and third is applied as full coats

Flash off between coats

Flash off between coats after first coat, allow 10-15 sec. flash off. All other coats is applied in one visit.

*Note; A fourth coat is possible but for sensitive surface avoid heavy layers.

FILM THICKNESS and DRYING TIMES: (STD and High Temp)

2½ coats Air Dry in 30 min. 80-100 micron DFT
3½ coats Air Dry in 35 min. 100-120 micron DFT
4½ coats Air Dry in 40 min. 120-140 micron DFT

IR Shortwave: 1 min flash followed by 5 min @ 50% efficiency

5-10 min @ 60 °C
 10-15 min @ 50°C
 15-20 min @ 40 °C

*Note: When using etch primer for optimum adhesion and corrosion drying time will be slight longer.



GUIDE TO USING DP7000 AS A ROLL PRIMER WITH UHS HARDENER

MIXING RATIO

Mixing Ratios – If scales are not available, then primer may be activated by volume.

	<u>By Volume</u>
DP7000	3 vol
D8270	1 vol

Pot life at 20°C: 40 minutes.

Note: It is recommended to use the material immediately after mixing.

Clean the roller tray immediately after use.

MIXING BY WEIGHT

The weights are cumulative - please do **NOT** tare the balance between additions.

Volume of RFU paint required (Litres)	Wt. Primer Grams (3 Parts)	Wt. Hardener Grams (1 Part)
0.25 L	280,0	335,8
0.5 L	560,0	671,7
0.75 L	840,0	1007,5
1.0 L	1120,0	1343,3
1.5 L	1680,0	2015,0

APPLICATION AND FLASH OFF

1. Use of good quality high-density foam rollers is essential. The use of a suitable roller tray allows easy control of paint loading on the roller.
2. Load the roller from a suitable roller tray. Removed excess paint from the roller.
3. The first coat covers the largest area. Subsequent coats cover smaller areas.
4. Apply paint from the centre of the repair patch, rolling outwards using light pressure.
5. Use the roller with less paint loading to fade the hard edges of each coat.
6. Allow the paint to flow out on the panel; avoid over-working, which can leave an uneven surface.
7. When one coat becomes matt/dry, it is ready for the next coat.

Number of coats: Apply 3-4 coats to give a film thickness of 75 - 125 microns (3 - 5 thou.)

Flash-off at 20°C: Between coats Approx. 5 minutes



SANDING



Finish with the following grades: - P400 or finer: Single layer solid colours (Direct Gloss)
P400-P500 or finer: Basecoats.

Use 1K aerosols for rub-through areas during/after filler sanding. For the correct final sanding and the respective 1K Primer version, take the PDS of the base- topcoat into account.



Finish with the following grades: - P800 or finer: Single layer solid colours (Direct Gloss)
P800 or finer: Basecoats

TOPCOATING

After sanding, DP7000 Air-Dry Primer may be over coated directly with the following topcoats:

- *Envirobase* High Performance basecoat color.
- *Deltron* UHS Progress Direct Gloss Color
 - *Deltron* UHS Progress Direct Gloss Color is only recommended if DP7000 is applied on metal surface. Not recommended for plastic surface.

EQUIPMENT CLEANING

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

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.

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.

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

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