



Section 10

Preparation & Painting Plastic Parts



Preparation & Painting Plastic Parts

New Raw (Un-Primed) Plastic Parts

Product Description:

D8434 DELTRON® Plastic Substrate Cleaner is a detergent based cleaner for removing all types of contaminants (e.g. mould release agents and traffic film) from unpainted 'raw' plastic as part of a step for the preparatory process to ensure excellent adhesion is achieved for subsequent coating application.

D846 Deltron Antistatic Agent for Plastics is a specially designed alcoholic blend of solvents formulated to treat plastic surfaces without damaging them and to prevent the build up of static, ensuring a dust free finish.

Best Practice:

When using D846 always test the substrate first as it can remove or soften some OE factory primers. D8401 Waterborne Pre-cleaner will provide a suitable process replacement.

The Tech Stuff:

- Cleaner for Plastics D8434 should be mixed 1:1 with tap water. Application is recommended preferably via a pressurised pump spray or spray applicator bottle
- Apply liberally and use a grey weave pad to abrade the plastic whilst cleaning the surface at the same time.
- Rinse the substrate thoroughly with clean water and allow to dry completely.

To ensure the cleaner has worked spray some clean water onto the cleaned plastic.

- If water beads form upon rinsing, repeat the process to thoroughly remove any contaminant
- Apply D846 to the whole of the plastic part to be painted using a lint free cloth.
- Remove any excess with a clean lint free cloth.

These products are for professional use only.

For full technical specification refer to TDS: RLD63V.



Steam Cleaning

Care should be taken when steam cleaning painted or non-painted plastics, ensuring that the nozzle is kept at least 30cm (12") away from the surface to avoid damage.

Preparation & Painting Plastic Parts

Un-Primed 'Raw' Plastic Cleaning Process



Mix 1:1 with Tap Water.



Thoroughly clean using the solution and a grey weave pad.



Rinse the plastic with clean water and thoroughly dry.



The part is clean if water runs off in rivers.



If the water beads up the plastic will require re-cleaning.



Correctly cleaned plastic.

Finally apply D846 Antistatic agent to the part ready for paint application.

Preparation & Painting Plastic Parts

New Car Parts - Pre-Primed

Preparation

Clean & Abrade

Abrade gently but thoroughly with a grey weave pad or P500/P800 soft pad and wipe with D8401 Waterborne Pre-cleaner

D846 DELTRON® Anti-Static Wipe

Test a small area first as it can soften some OE plastic primers.

Alternately use D8401.

D8501 / D8505 / D8507 Wet On Wet Primer
DP4000 Primer using
D8740 *Deltron* Plastic Primer Additive



Apply Topcoat

Thorough preparation and cleaning are essential for the successful refinishing of plastic parts. The PPG plastic cleaning and preparation system is designed to produce the best performance from the primer and topcoat systems.

These products are for professional use only.
For full technical specification refer to TDS: RLD282V.

Preparation & Painting Plastic Parts

New Car Parts – Popular Plastic Substrates

Preparation for:
PP / TPO / PP-EPDM/ PA / Lexan

Plastic Primer

Clean & Abrade

D8434 - Clean and lightly abrade with a grey weave pad. Then wash down using clean water.

D846 DELTRON® Anti-Static Wipe

D820 *Deltron* Adhesion Promotor
D8420 *Deltron* Aerosol Adhesion Promotor
for plastics

Apply Hi Build
Primer DP5000 /
DP7000



D8420 Aerosol should only be utilised on small to medium rub throughs or repaired areas. D820 used via a spray gun offers a wider option on general areas of repair and will ensure enough product is applied for these larger areas.

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For full technical specification refer to TDS: RLD241V.

Preparation & Painting Plastic Parts

New Car Parts – Popular Plastic Substrates

Preparation for:
PUR / ABS / PC-PBT / NORYL / GRP

Plastic Primer

Clean & Abrade

D8434 - Clean and lightly abrade with a grey weave pad. Then wash down using clean water.

D846 DELTRON® Anti-Static Wipe

D820 *Deltron* Adhesion Promotor
D8420 *Deltron* Aerosol Adhesion Promotor
for plastics

Apply Topcoat



DP5000 / DP7000 2K Primers in the appropriate Greymatic shade used in either spray or roll modes.

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For full technical specification refer to TDS: RLD241V.

Preparation & Painting Plastic Parts

Repair Plastics Process

Preparation for:
All plastic types except PUR

Undercoat / Primer

Clean & Abrade

D8434 - Clean and lightly abrade with a grey weave pad. Then wash down using clean water.

D846 DELTRON® Anti-Static Wipe

D820 Deltron Adhesion Promotor
D8420 Deltron Aerosol Adhesion Promotor
for plastics

Apply Topcoat



Optional Phase:
Apply DP5000/DP7000 2k Primer and flexibilise if required for any deformable plastic parts.

Mixing Ratio via PAINTMANAGER® or PPG LINQ™

Colour software:

DP5000	5.6 vol	DP7000	3 vol
D814	1.4 vol	D8270	1 vol
D8302	1 vol	D8727/28	0.5 vol
Thinner	1 vol		

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These products are for professional use only.
For full technical specification refer to TDS: RLD241V..



Car Repair Process for Plastics

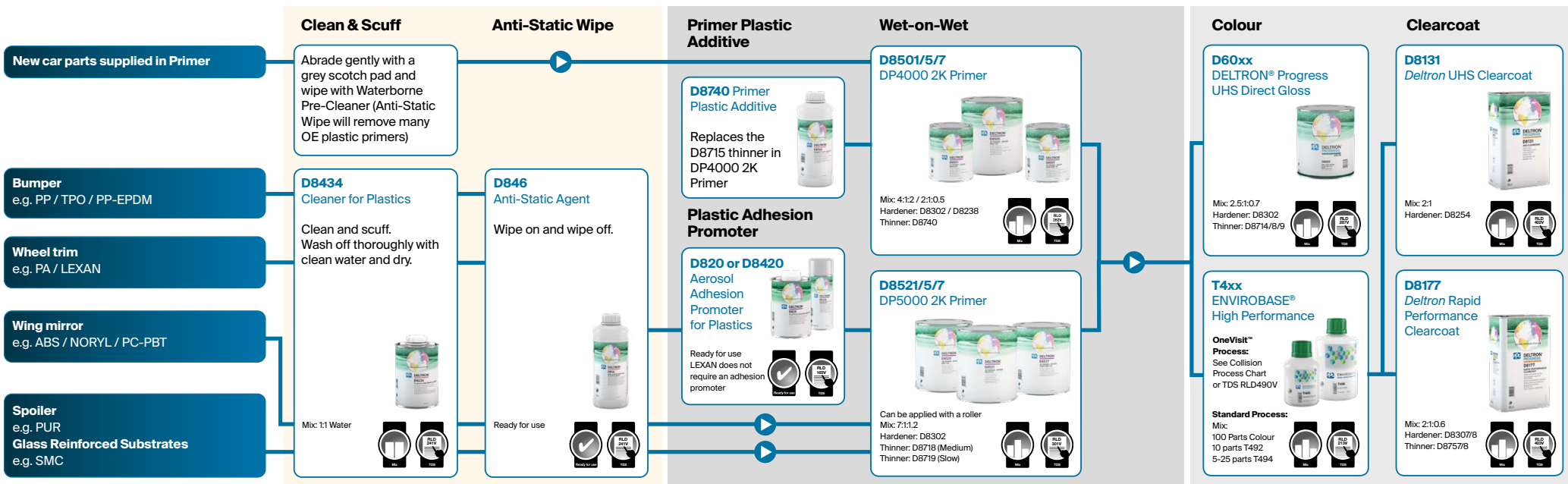
New Plastics

Car Parts & Substrate

Preparation

Undercoat

Topcoat



Thorough preparation and cleaning are essential for the successful refinishing of plastic parts. The PPG plastic cleaning and preparation system is designed to produce the best performance from the primer and topcoat systems. Refer to the Deltron Cleaning and Preparation of Plastic Substrates TDS (RLD241V).

Repair Plastics

Car Parts & Substrate

Preparation

Undercoat

Topcoat

