



PPG Industries

Bringing innovation to the surface.™

www.ppgrefinish.com

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Make it happen. With PPG



PPG Product Catalogue

PPG Automotive Refinish 2016



PPG Industries

Global leadership

PPG Industries is the global leader in coatings and specialty materials. PPG Industries is a streamlined, efficient manufacturer; and operates on the leading edge of new technologies and solutions.



Founded in 1883, PPG operates in more than 70 countries around the world. Through leadership in innovation, sustainability and colour, PPG provides added value to customers in construction, consumer products, industrial and transportation markets and aftermarkets to enhance more surfaces in more ways than does any other company.

Our Vision

It is our vision to be the world's leading coatings company by consistently delivering high-quality, innovative and sustainable solutions that customers trust to protect and beautify their products and surroundings.

Innovation and Technology

PPG maintains a long-standing tradition of developing leading-edge technologies, achieving the highest quality standards and meeting customers' requirements. PPG opened its first research lab in the early 1900s and has been on the forefront of innovation ever since.

Today, the company has about 70 research labs worldwide and work on innovative processes for each of its unit: Aerospace, Architectural, Coatings, Automotive OEM and Refinish, Industrial and Packaging Coatings, Specialty Coatings & Materials, Fiber and Flat Glass.

Operational Excellence

PPG is at the forefront of innovative coatings technology, creating enhanced efficiencies in all markets. As a global organisation we take our ethical responsibilities extremely seriously. That is why we are dedicated to pursuing operational excellence, and recognise the impact of all production processes on the environment. We aim to provide the highest standards of product quality and performance, implementing the same production methods at every plant throughout the world. This guarantees consistent product performance at all times.

Excellence by Design

Along with our planned commitment to provide the highest quality products and services to our customers, our Blueprint for the Future is also dedicated

to making all operations as safe and cost-efficient as possible for the benefit of our shareholders and employees.

Ongoing, vigorous product and market development through company-developed technology, coupled with thoughtful acquisitions and joint ventures, help to ensure long-term, qualitative as well as quantitative growth.

Safety and Environmental Considerations

The health and safety of our employees, customers, and the public, during the production, handling, use, transportation or disposal of chemicals is one of PPG's highest priorities. Indicative of our commitment to this goal is our active participation in the Chemical Manufacturers Association's Responsible Care® programme.

Members of this association pledge to adhere to its guiding principles on the protection of personal health and safety, as well as the preservation of the environment.

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Key to Symbols

Mixing:



3 parts mixture



2 parts mixture



Pot life

Preparation:



Mixing/
Preparation



Aerosol

Viscosity:



Viscosity

Application:



Spraygun
setup



Number
of coats










Drying:



Drying time/
temperature

PPG brand colour coding

The following colours are used to code each of the PPG brand product groups:

 Envirobase Green p376	 BC Tinter Green p3135	 UHS Tinter Black	 DG Tinter Green p335	 Clearcoat Orange p151
 Primer Blue p072	 Hardener Red p032	 Thinner Yellow p012	 Ancillaries Brown p4635	

Automotive Coatings

Today, two out of every three cars made in Europe and North America now use PPG technology and knowhow, making PPG the supplier of choice for motor manufacturers.



Regardless of the product chosen, you can expect PPG to meet the most demanding requirements for gloss, durability, speed, efficiency and ease of use.

With all this knowledge and experience of the industry channelled into the development of our refinish products, it makes sense to choose PPG as your refinish paint supplier.

PPG brand's strong links with motor manufacturers allows it to offer superior products and services, enabling bodyshops to focus on enhanced productivity and profitable growth.

In the paint and coatings business, there is nothing more important than colour match. As the global leader - with colour experts working across four continents - PPG manages a worldwide colour database of more than one million formulas that is updated with over 10,000 colour matches every year. PPG also works in close partnership with vehicle manufacturers and pigment suppliers to stay ahead of the latest OEM pigmentations and colour formulations.

Add to that PPG's latest colour matching information, software and technology - and you will be assured of having the right tools to get the right colour every time.

All our products are supported by a range of bodyshop services that are second-to-none. Whether it is detailed product training or business performance support, PPG has the ability to "make it happen".

OEM ▼ Refinish	PPG Refinish: Global leaders in automotive coatings, colour matching technology and bodyshop business services
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PPG Refinish

The Complete Solution

When you choose PPG Automotive Refinish products you benefit from nearly 100 years of experience in developing automotive coatings.

Bringing OEM expertise to refinish enables PPG to stay one step ahead, ensuring customers consistently achieve high quality repairs.

DELTRON® Global Refinish System (GRS), PPG's premium solventborne product offer was developed to meet bodyshop needs.

PPG also offers the ENVIROBASE® High Performance system, its premium waterborne line compliant with low-VOC legislation.

Training

- ▶ Wide range of courses
- ▶ Personalised training

PPG training courses are designed for staff at all levels, from new starters to experienced managers. These training courses are delivered by experienced trainers.

They range from helping bodyshop technicians optimise the repair process, to helping bodyshop managers run more efficient and profitable businesses.

PPG training courses are tailored to meet your needs at a local level and our training centres provide flexibility to give you the best support possible.

Colour Delivery

- ▶ Colour Marketing
- ▶ GRS Colour

PPG's reputation in developing colour for OEM's and accurately reproducing this for the refinish market has been renowned for years.

PPG has developed "state of the art" colour tools that are accurate, easy to use and provide fast and reliable "right first time" colour identification.

Deltron GRS delivers a comprehensive solution offering bodyshops high quality product performance and accurate colour reproduction.

Envirobase High Performance tinters are the perfect choice for bodyshops that are looking for excellence in colour as well as low-VOC products that respect the environment.

The Result: A Profitable Bodyshop

- ▶ Well trained staff
- ▶ Quality customer service
- ▶ Customer Satisfaction

PPG gives bodyshops the tools to succeed:

- ▶ the link with OEM's for the latest colours and variants
- ▶ research and development providing modern, high quality products
- ▶ training provided for new products and techniques
- ▶ business support programmes for efficient bodyshop management

Training

At PPG, we believe that continuous skills improvement is key to professional success. This is the inspiration behind our comprehensive set of training courses to help you become proficient regardless of your role in the automotive refinish industry.



Courses

Introduction to Car Refinish Systems

(2 days)

Suitable for trainee or inexperienced paint technicians who have little or no familiarity with two-pack paint systems. This course allows the delegates to reach a level of competence which will enable them to play a useful part in the productive work of a modern bodyshop, as well as improve their spraying techniques. They will be able to recognise and rectify simple paint faults as well as understand simple paint systems.



the confidence to refinish within the panel covering rework or Smart repair.

An Eye for Colour – Car

(2 days)

An Eye for Colour will develop technicians understanding of colour and will give them the skills and confidence to be able to tint formulations and colour match. Suitable for experienced paint technicians and paint mixers who wish to improve their knowledge and skills in colour matching.

This specialized course is for technicians who have already attended the Car Refinish Systems Course and will introduce the technician to the SMART repair technique which is highly effective and productive for the repair of minor damage using the product range.

Introduction To Commercial Vehicle Systems

(3 days)

This course is addressed to inexperienced commercial transport painters. They will improve their spraying techniques and at the end will become confident paint



technicians able to contribute to production in the bodyshop.

Advanced Commercial Vehicle Systems

(3 days)

Appropriate for experienced Commercial Transport painters and bodyshop managers. At the end of the course, attendees will have developed a professional approach to commercial transport 2 pack systems, being able to maximise throughput by understanding product and processes while having increased their product and equipment knowledge and minimised the need for rectification.

Smart Repair Techniques

(2 days)

Designed for a dedicated Smart repair operative or a member of the refinish team, this course will allow the candidate to have

MVP Business Solutions













MVP Business Solutions' commitment goes above and beyond providing your business with products of guaranteed quality. Our endeavours are geared towards maximising the productive value of your bodyshop and to this end we have designed a unique and comprehensive programme.



Profitable growth is the main objective of any business, including bodyshops. Today, our challenge is to define the right strategies that will enable us to achieve this goal. The MVP Business Solutions programme encompasses a series of services that you can use according to your needs, offering you the chance to gain an advantage over your competitors. These services include management reports on the current situation of your bodyshop, comparison of key performance indicators in your market and, most importantly, action plans geared towards increasing the profitability of your business.

Take advantage of this opportunity to unite your experience with the knowledge of a group of expert consultants and join the MVP Business Solutions Programme to guarantee a stable future for your business.



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Benchmark report | 
Business seminars | 
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Customer report | 
Hot Repair® | 
IT Solutions |
| 
Bodyshop design & layout | 
Lean Processes | 
Lifetime Warranty | 
Mesura | 
Roundtables | 
Technical Audit |

Colour tools

ENVIROBASE® High Performance Waterborne Basecoat Variant Deck (R4000,R4500)

PPG's expertise in colourmatching is unrivalled, the company has amassed decades' worth of colour and variant formulas.

ENVIROBASE®
HIGH PERFORMANCE

Used with our variant deck containing around 7000 chips sprayed with *Envirobase* High Performance basecoat itself makes our system unique. No other basecoat can equal the quality of our colour match.

Independent market research has highlighted the unique quality of the *Envirobase* High Performance Waterborne Basecoat Variant Deck. The tool was praised by painters for the excellent alignment of chip to colour match and the increased ability to do edge to edge matching.

The individual large colour chips in the Variant Deck give a true colour representation for Primes and their variants and allow customers an accurate colour selection where it is most important.



PPG DELTRON® GRS Variant Deck

PPG is dedicated to delivering fully comprehensive colourchip systems, manufactured using our paint and sprayed to maximise the accuracy and reproducibility seen in the bodyshop.

The G4 Variant Deck is produced with PPG DELTRON® paint system and key metallic colours are sprayed. Each Prime and Variant chip represents the PPG colour match.

Colours included in G4 Variant have been selected with regional input and exclude older and non-popular colours. This colour tool has 2 updates a year to keep it up to date with the latest variants on the road.

Each G4 Variant Deck is arranged in 2 towers of 9 rows with 5 fan garages per row, and contains about 4500 colour chips. These are arranged in 89 fans (MMF version) and 84 fans (Chromatic version).



Colour tools

RAPIDMATCH™ X-5 spectrophotometer

PPG's close links with OEMs combined with advanced technology and rapid variant search functionality makes this the best system on the market.



Whatever the target, *RapidMatch X-5* spectrophotometer will find the best available colour match within seconds, increasing bodyshop productivity and optimising the quality of the final repair.

Practical and easy to use, *RapidMatch X-5* spectrophotometer is a compact device operated via two-handed touch controls. Developed specifically for the automotive refinish industry, it is the leading device that measures colour from five reflective angles.

Having captured the vehicle colour, *RapidMatch X-5* spectrophotometer uses PPG's latest *PAINMANAGER*® program software for mixing and managing the paint operation to search variants from the industry's most extensive live formula database.



PAINTMANAGER® program software

The *PaintManager* software is a network-capable colour management system which delivers colour formulations for OEM cars and trucks, commercial fleets and custom colours.

PaintManager also adds a variety of paint tracking and reporting features for monitoring and managing the productivity and profitability of the paint operation.

Spectrophotometer capability: the innovative RAPIDMATCH™ X-5 device interfaces seamlessly with the *PaintManager* software to make color-matching workflow simple and efficient for all refinish repairs.

With its advanced, industry-leading features and automated monthly updates via Internet, *PaintManager* software is the ideal tool for managers and technicians alike.



Basecoats

ENVIROBASE® High Performance Basecoat

Waterborne Basecoat

Envirobase High Performance waterborne basecoat mixing scheme is a paint system that significantly reduces solvent emissions into the environment and complies with all current and future legislative requirements.



**ENVIROBASE®
HIGH PERFORMANCE**







Applied as a part of a two-stage or multi-stage basecoat paint system, mixed *Envirobase* High Performance colour reproduces original solid, metallic, mica or special effect paint finishes, giving excellent covering power and fade out capability.

In conjunction with high quality PPG Clearcoats and Primers, the *Envirobase* High Performance system delivers excellent gloss and durability.

Easy to use, this is a simple and flexible system capable of high quality vehicle repairs.

T4xx *Envirobase* High Performance Basecoat

Code	Product
T4xx	<i>Envirobase</i> Waterborne Basecoat colour
T494	<i>Envirobase</i> Thinner
T495	<i>Envirobase</i> Slow Thinner
T492	High Performance Additive

 Mixing by volume	With Thinner T494/495: Solid Colours: 100 Vols: 10 Vols Metallic and Mica Colours: 100 Vols: 15 - 20 Vols* *30 Vols may be used when the application temperature is above 30°C.	 Spraygun Setup	1.2 - 1.4 mm fluid tip.
 Pot Life	At 20°C: 3 months. Stir well before use.	 Number of Coats	Standard Process: Apply single light coats until opacity is obtained. Flash off thoroughly between coats A control coat is recommended for flake colours.
Hardener/ Thinner Selection	Below 35°C: T494 <i>Envirobase</i> Thinner. Above 35°C: T495 <i>Envirobase</i> Slow Thinner.		Express Process: Apply as light even double coats until opacity is obtained. A control coat is recommended for flake colours.
 Application Viscosity	Viscosity will vary with the thinner level chosen, but the ideal application viscosity is 22 - 26 seconds / DIN4 / 20°C.	 Drying Times	Standard Process / Express Process : Use an air blower until surface is touch dry. Minimum - Basecoat to be dry and matt before the application of Clearcoat. Maximum - 48 hours at 20°C before application of Clearcoat, but after 24 hours, 1 coat of <i>Envirobase</i> High Performance has to be applied prior to clearcoating 20 minutes at 20°C before taping.

ENVIROBASE® High Performance System

The total waterborne system

Envirobase High Performance toners combined with our Waterborne Epoxy Primer and latest Waterborne Clearcoat deliver a full waterborne coatings solution.



Each product in the waterborne system offers significant solvent emission savings when compared to a typical solventborne product. The cumulative saving is up to a 87% reduction. Using PPG's total waterborne system can help lowering VOC emissions, improving air quality and the environment, thus supports the drive toward 'Green' solutions.

Moreover *Envirobase* High Performance waterborne basecoat has been specifically designed to work seamlessly with other PPG compliant ranges such as DELTRON® Progress UHS Direct Gloss products, Engine Bay and our range of clearcoats and primers.

Used in isolation each PPG range is exceptional, and when used together as part of a compliant bodyshop strategy they offer an unbeatable combination.



Basecoats

DELTRON® GRS Basecoat

The *Deltron* GRS Basecoat system consists of high opacity solid, metallic and mica colours.









Used in conjunction with a recommended PPG repair system, *Deltron* GRS Basecoat meets or exceeds warranty requirements.

As part of the *Deltron* Global Refinish System, *Deltron* GRS Basecoat carries a large number of approvals.

D7xx / D9xx Deltron Basecoat

Code	Product	For textured finishes the following products are available:	
D7xx, D9xx	<i>Deltron</i> Basecoat Tinters	D843	<i>Deltron</i> Texture Additive
PRLXx	<i>Deltron</i> Xirallic® Special Effect Tinters	D844	<i>Deltron</i> Leather Grain Additive
D808, D807, D812, D869	<i>Deltron</i> Thinners		
D851	<i>Deltron</i> BC Fade-out Thinner		

	With Thinner: 1 : 1		15 seconds: DIN4
Mixing by volume		Application Viscosity	
	At 20°C with MS Hardener: Unlimited		1.4-1.6mm fluid tip
Pot Life		Spraygun Setup	
Thinner Selection	Up to 18°C: D808 Fast Thinner 18-25°C: D808 Solid Colour D807 Metallic / Mica Colour Over 25°C: D807 Solid Colour D812 Metallic / Mica Colour <i>For exceptional conditions of Temperature and humidity (above 35°C or 70% RH) the use of D869 Very Slow Thinner is recommended.</i>		2 full coats with 10 minute flash off between coats For Metallic / Mica colours a final control coat is recommended.
			Dust Free at 20°C: 15 minutes before the application of Clearcoat 15 minutes before taping
		Number of Coats	
		Drying Times	

Direct Gloss DELTRON® GRS Direct Gloss

Deltron GRS Direct Gloss is a high-performance durable two-pack acrylic urethane topcoat designed for the repair and repainting of direct gloss finishes.



DELTRON®

Deltron GRS Direct Gloss can be accelerated to maintain fast curing at low temperature, or to speed-up process times for small to medium repairs under normal temperature.

In order to accelerate the curing, Accelerated Hardeners (D863 / D864) and D818 Accelerator can be used separately or in combination. D863 / D864 Hardeners are used as replacement for Standard or MS Hardeners in the *Deltron* mix.

D818 Accelerator is an additive which is added to the ready mixed paint or to the thinner.

D7xx Deltron Direct Gloss

Code	Product	For matt, satin and textured finishes or painting of flexible substrates the following products are available:	
D7xx	Deltron Direct Gloss Tinters	D759	Deltron Matting Base
D803, D841, D861	Deltron Medium Solids Hardeners	D814	Deltron Plasticiser
D864	Deltron Accelerated Medium Solids Hardener	D819	Deltron Matt Flexibiliser
D802	Deltron Standard Solids Hardener	D843	Deltron Texture Additive
D863	Deltron Accelerated Standard Solids Hardener	D844	Deltron Leather Grain Additive
D808, D807, D812, D869	Deltron Thinners		
D868	Deltron DG Fade-out Thinner		
D818	Deltron Accelerator		

<p>Mixing by volume</p>	<p>With NS Hardener: 2:1:0.5 or 2:1:1</p> <p>With MS Hardener: 3:1:0.5 or 3:1:1</p>	<p>Application Viscosity</p>	<p>15 seconds: DIN4 with NS Hardeners</p> <p>17-18 seconds: DIN4 with MS Hardeners</p>
<p>Pot Life</p>	<p>At 20°C: 6-8 hours with D802, D803 or D841 3-4 hours with D864 or D863</p>	<p>Spraygun Setup</p>	<p>1.4-1.8mm fluid tip</p>
<p>Thinner Selection</p>	<p>Up to 18°C: D803 MS Accelerated Hardener D808 Fast Thinner</p> <p>18-25°C: D841 MS Hardener D807 Thinner</p> <p>Over 2°C: D861 MS Slow Hardener D812 Slow Thinner</p> <p><i>For exceptional conditions of temperature and humidity (above 35°C or 70% RH) the use of D869 Very Slow Thinner is recommended.</i></p>	<p>Number of Coats</p>	<p>1 light coat followed by 2 full coats with NS Hardeners</p> <p>1 medium coat followed by 1 full coat with MS Hardeners</p>
		<p>Drying Times</p>	<p>Dust free at 20°C: 20 minutes with NS Hardeners 30 minutes with MS Hardeners</p> <p>Through dry at 20°C: 20 hours</p> <p>Through dry at 60°C: 30 minutes</p>

Primers

D831 Universel Wash Primer Base

D831 Universel is a beige, two component, pigmented chromate-free etch primer.








It is designed to give excellent corrosion resistance and adhesion when used on new panels and to promote the adhesion of subsequent paint films.

Universel may be used in a Wet-on-Wet system if required and can also be overcoated with most PPG 2K Primers.

D831 Universel Wash Primer Base

Code	Product
D831	Universel
D832	Reactive Thinner
D833	Slow Reactive Thinner
D866	Primer Thinner

 Mixing by volume	With Adhesion Promoter: Normal Use 1:1 Small Rub Through* 1:1:0.2 With High Build Primer 2:1:0.5	 Spraygun Setup	1.6-1.8 mm fluid tip
 Pot Life	At 20°C: 24 hours Performance of Universel will reduce 24 hours after it has been mixed.	 Number of Coats	2 at the minimum, 3 at the maximum
 Application Viscosity	16 seconds: DIN4 (before any D866 addition) 25 seconds: DIN4 as high build	 Drying Times	Dust free at 20°C: 5-10 minutes Through dry at 20°C: 30-45 minutes using D832 / D833 75-90 minutes using D856

D834 DP40 2K Epoxy Surfacer

DP40 is a versatile 2K Epoxy Surfacer. It is light grey in colour, chromate-free and has good corrosion resistance over bare metal.



DP40 has good adhesion to a wide variety of suitably prepared substrates. These include bare and galvanised steel, aluminium, GRP and fibreglass, painted surfaces and fillers, and a wide range of plastic substrates.

DP40 is ideally used as a Wet-on-Wet or non-sand surfacer, but may be baked or air-dried if required. It may also be used as a one-coat sealer over sanded 2K primers and surfacers, when it fills sanding marks and promotes optimum gloss holdout in the topcoat.

DP40 is also an excellent sealer for use over TPA finishes.

D834 2K Epoxy Surfacer

Code	Product
D834	DP40 Chromate-Free 2K Epoxy Surfacer
D835	DP402 Hardener

<p>Mixing by volume</p>	<p>Non Sand Surfacer 1:1 Wet-on-Wet Surfacer 1:1 Sealer 1:1:0.5</p>	<p>Spraygun Setup</p>	<p>1.4-1.8 mm for Non-sand and Wet-on-Wet surfacer 1.4-1.6 mm for Sealer</p>
<p>Pot Life</p>	<p>At 20°C: 16 hours</p>	<p>Number of Coats</p>	<p>2-4 as Non-sand Surfacer 2 as Wet-on-Wet surfacer 1 full as Sealer</p>
<p>Application Viscosity</p>	<p>15 seconds: DIN4 as a Non-sand surfacer 12 seconds: DIN4 as Sealer</p>	<p>Drying Times</p>	<p>Dust free at 20°C: 15 minutes Through dry at 20°C: 4 hours Through dry at 60°C: 30 minutes</p>

Primers

D8521 / D8525 / D8527 2K Primer DP5000







DP5000 is a range of 2K primer surfacers suitable for a wide range of repair work in the refinish bodyshop.



Versatile and easy to apply and sand, they offer excellent film build, surface levelling and gloss holdout over a wide range of substrates such as sound original paintwork, bare steel, polyester body fillers and suitable adhesion primers.

These primers may be directly overcoated with DELTRON® UHS Progress, Deltron GRS Basecoat, Deltron DG or ENVIROBASE® High Performance basecoat.

D8521 / D8525 / D8527 2K Primer DP5000

Code	Product	Code	Product
D8521	Light Grey	D8237/D8238	HS Hardeners
D8525	Grey		
D8527	Dark Grey		
D8302	UHS Hardener		
D8717/18/19	Thinners		
	DP5000 7 vol UHS Hardener 1 vol Thinner 1-2 vol	DP5000 4 vol HS Hardener 1 vol Thinner 0.5-1 vol	 Spray Viscosity at 20°C: DIN4 26 - 29 seconds (@ 7:1:1)
Mixing by volume		Application Viscosity	
	At 20°C: 90 minutes		1.6-1.8 mm
Pot Life		Spraygun Setup	
Hardener/ Thinner Selection	Below 20°C: D8717 15-25°C: D8717/D8718 20-30°C: D8718 25-35°C: D8718/D8719 Above 35°C: D8719		1 medium coat + 2 full coats
		Number of Coats	
			Sandable@ 20°C: 3-4 hours Sandable below 20°C: Overnight Through dry at 60°C: 20-30 minutes* depending on film thickness Through dry / Infra red: 12 minutes
		Drying Times	

D8531 / D8535 / D8537 2K Rapid Primer DP6000

DP6000 2K Rapid Primer is a high quality primer that is easy to apply with excellent sanding properties whilst focusing on the efficiency of the bodyshop. A simple, one-visit, application process with little to no flash off, gives a repair ready to sand in only an hour.



Versatile and easy to apply and sand, the primers offer excellent film build, surface levelling and gloss holdout over a wide range of substrates such as sound original paintwork, bare steel, polyester body fillers and suitable adhesion primers.

These primers may be overcoated with DELTRON® UHS Progress, *Deltron* GRS Basecoat, *Deltron* DG or ENVIROBASE® High Performance basecoat.

DP6000 is offered in the Greymatic System; available in three grey shades, and providing the opportunity to mix a further range of greys to find the most suitable to optimise each topcoat colour. This further improves process times and also reduces basecoat consumption.

D8531 / D8535 / D8537 2K Rapid Primer DP6000

Code	Product	Code	Product
D8531	Light Grey	D8237	HS Hardener
D8535	Grey		
D8537	Dark Grey		
D8302	UHS Hardener		
D8716	Productive Thinner		
D8715	For high temperature and force drying /IR		

<p>Mixing by volume</p>	DP6000 7 vol UHS Hardener 1 vol Thinner 2 vol	DP6000 4 vol HS Hardener 1 vol Thinner 1 vol	<p>Application Viscosity</p>	<p>DIN4/20°C: 27-32 seconds (@ 7:1:2)</p>
	<p>Pot Life</p> <p>At 20°C: 45 minutes</p>			
<p>Hardener/Thinner Selection</p>	<p>Below 20°C: D8302 Hardener D8716 Thinner</p> <p>15-30°C: D8302 Hardener D8716 Thinner</p> <p>Above 30°C: D8302 Hardener D8715 Thinner</p>		<p>Spraygun Setup</p>	<p>1.6 mm</p>
	<p>Number of Coats</p> <p>1 medium coat + 2 full/wet coats</p>			

Primers

D8010 / D8015 / D8017 Rapid Greymatic 2K Filler

Greymatic System

2K Rapid GreyMatics are a range of 2K primer surfacers suitable for a wide range of repair work.









Versatile, quick-drying and easy to apply and sand, they offer excellent film build, surface levelling and gloss holdout over a wide range of substrates such as sound original paintwork, bare steel, polyester body fillers and suitable adhesion primers.

They may be air dried, low baked or IR cured before sanding or used in a Non Sand process.

Rapid GreyMatic may be directly overcoated with DELTRON® GRS Basecoat, *Deltron* GRS DG and BC, and ENVIROBASE® High Performance basecoats. By combining D8010, D8015 and D8017, GreyMatic shades 1, 3, 5, 6 and 7 may be obtained.

D8010 / D8015 / D8017 High Build Filler Surfacers

Code	Product
D8010	<i>Deltron</i> GRS Rapid Greymatic Light Grey
D8015	<i>Deltron</i> GRS Rapid Greymatic Grey
D8017	<i>Deltron</i> GRS Rapid Greymatic Dark Grey

 Mixing by volume	With MS Hardener: As Primer Filler 6:1:1.5 As Primer Surfacers 6:1:2 As a Non Sand 6:1:2.5 to 3 With NS Hardener: As Primer Filler 4:1:0.5 As Primer Surfacers 4:1:1 As a Non Sand 4:1:1.5 to 2	 Application Viscosity 30-50 seconds: DIN4 as a Primer Filler 20-25 seconds: DIN4 as a Primer Surfacers 16-18 seconds: DIN4 as a Non Sand Primer
 Pot Life	At 20°C with MS Hardener: 45 minutes as Primer Filler 60 minutes as Primer Filler 75 minutes as Non Sand Primer At 20°C with NS Hardener: 30 minutes as Primer Filler 60 minutes as Primer Filler 100 minutes as Non Sand Primer	 Spraygun Setup 1.8-2.0 mm fluid tip for Primer Filler 1.6-1.8 mm fluid tip for Primer Surfacers 1.4-1.6 mm fluid tip for Non Sand Primer
Hardener/Thinner Selection	Up to 25°C: D863 NS Accelerated Hardener or D864 MS Accelerated Hardener D807 Thinner or D866 Primer Thinner 25-35°C: D802 NS Hardener or D803 MS Fast Hardener D812 Slow Thinner Over 35°C: D802 NS Hardener or D841 MS Hardener D869 Extra Slow Thinner	 Number of Coats 3 maximum as a Primer Filler 2-3 as a Primer Surfacers 1-2 as a Wet-on-Wet  Drying Times Dust free at 20°C: 10 minutes Through dry at 20°C: 2-3 hours Through dry at 60°C: 30 minutes

D8018 / D8019 / D8024 2K Greymatic UHS

Greymatic System

2K GreyMatic UHS Primers are a range of 2K primer surfacers suitable for a wide range of repair work.



By simple adjustment of the thinning ratio, 2K GreyMatic UHS Primer may be applied as a primer surfacer, as a high build spray filler, or as a Wet-on-Wet surfacer.

2K GreyMatic UHS Primer may be air dried, low baked or IR cured. It can be directly overcoated with DELTRON® GRS BC and DG, and ENVIROBASE® High Performance waterborne basecoat.

By combining D8018, D8019 and D8024, GreyMatic shades 1, 3, 5, 6 and 7 may be obtained.

D8018 / D8019 / D8024 2K Greymatic UHS

Code	Product
D8018	Deltron GRS Greymatic Primer White
D8019	Deltron GRS Greymatic Primer Black
D8024	Deltron GRS Greymatic Primer Grey

<p>Mixing by volume</p>	<p>With HS Hardener:</p> <p>As Primer Filler 6:1:0-0.5 As Primer Surfacer 6:1:1 As a Wet-on-Wet 6:1:1.5-2.5</p>	<p>Application Viscosity</p>	<p>HS Hardener:</p> <p>40-85 seconds: DIN4 as a Primer Filler 25-35 seconds: DIN4 as a Primer Surfacer 18-25 seconds: DIN4 as a Wet-on-Wet</p>
	<p>With MS Hardener:</p> <p>As Primer Filler 4:1:0-0.5 As Primer Surfacer 4:1:0.8 As a Wet-on-Wet 4:1:2</p>		<p>MS Hardener:</p> <p>25-60 seconds: DIN4 as a Primer Filler 20-30 seconds: DIN4 as a Primer Surfacer 14-16 seconds: DIN4 as a Wet-on-Wet</p>
<p>Pot Life</p>	<p>At 20°C with HS Hardener:</p> <p>30-40 minutes as Primer filler 60 minutes as Primer Surfacer</p>	<p>Spraygun Setup</p>	<p>2.0-2.2 mm fluid tip for Primer Filler 1.6-1.8 mm fluid tip for Primer Surfacer 1.4-1.6 mm fluid tip for Wet-on-Wet</p>
	<p>At 20°C with MS Hardener:</p> <p>30-60 minutes as Primer filler 75 minutes as Primer Surfacer</p>		<p>Number of Coats</p> <p>3 maximum as a Primer Filler 2-3 as a Primer Surfacer 1-2 as a Wet-on-Wet</p>
<p>Hardener/Thinner Selection</p>	<p>Up to 18°C:</p> <p>D8208 HS Fast Hardener or D803 MS Fast Hardener D808 Fast Thinner</p>	<p>Drying Times</p>	<p>Dust free:</p> <p>10 minutes</p>
	<p>18-25°C:</p> <p>D897 HS Hardener or D841 MS Hardener D807 Thinner or D866 Primer Thinner</p>		<p>Through dry at 20°C:</p> <p>3-4 hours as Primer Filler 2-3 hours as Surfacer</p>
	<p>Over 25°C:</p> <p>D897 HS Hardener or D861 MS Slow Hardener D812 Slow Thinner</p>		<p>To topcoat:</p> <p>30 minutes as Wet-on-Wet</p>

Primers

D839 Prima 2 Component Primer

Prima is a grey 2K primer surfacer, suitable for a wide range of day-to-day repair work.









Versatile, quick drying and easy to apply and sand, it offers excellent corrosion resistance, film build, surface levelling and gloss holdout over a wide range of substrates.

By simple adjustment of the thinning ratio, Prima may be applied as a conventional primer surfacer, as a high build spray filler. Prima may be air dried, low baked or IR cured. Prima may be applied directly to sound original paintwork, bare steel (small areas), polyester bodyfillers and suitable adhesion primers.

It may be directly overcoated with compliant 2K topcoat materials such as DELTRON® GRS DG and BC, *Deltron* Progress UHS DG or ENVIROBASE® High Performance basecoat.

D839 Prima 2 Component Primer

Code	Product		
D839	2K Primer surfacer		
	With HS Hardener: As Spray Filler 4:1 As Primer Surfacer 6:1:2 As a Non Sand 6:1:2.5 to 3 With NS Hardener: As Primer Filler 4:1:0.5 As Primer Surfacer 4:1:1 As a Non Sand 4:1:1.5 to 2		55 seconds: DIN4 as a Spray Filler 25 seconds: DIN4 as a Surfacer
Mixing by volume		Application Viscosity	
	At 20°C with HS Hardeners: 45 minutes as Spray Filler 75 minutes as Surfacer		1.8-2.0 mm fluid tip for Spray Filler 1.6-1.8 mm fluid tip for Primer Surfacer
Pot Life		Spraygun Setup	
Hardener/Thinner Selection	Up to 18°C: D8237 HS Express Hardener D808 Fast Thinner 18-25°C: D8238 HS Fast Hardener D807 Thinner or D866 Primer Thinner 25-35°C: D8239 HS Slow Hardener D812 Slow Thinner		3 maximum as Spray Filler 2-3 as Primer Surfacer
		Number of Coats	
			Dust free at 20°C: 5 minutes Through dry at 20°C: Spray Filler - 8 hours Surfacer - 3 hours Through dry at 60°C: Spray Filler - 30 minutes Surfacer - 30 minutes
		Drying Times	

D8501 / D8505 / D8507 2K Primer DP4000

DP4000, designed on the latest primer technology, can be used to optimise the priming process when used in combination with ENVIROBASE® High Performance and DELTRON® Progress UHS.



DP4000 is designed to deliver a high quality final appearance through a non sand process that is equivalent to a sanded primer. Excellent application, very smooth flow and superb holdout properties are at the core of this product's performance.

Due to the excellent adhesion characteristics of DP4000, no sanding of sound OE electrocoat is required, providing a very fast new panel process. DP4000 can be recoated directly after 15 minutes, or for up to 5 days with no sanding, so new parts can be primed in batches in advance with minimal preparation, and can be held ready for the topcoating process with the rest of the vehicle.

The strong adhesion and anti-corrosion characteristics mean that small rub throughs on electrocoated panels do not require the use of an etch primer before DP4000 is applied.

Using D8740 Plastic Primer Additive means you can apply DP4000 direct to all cleaned paintable automotive plastics.

D8501 / D8505 / D8507 2K Primer DP4000

Code	Product	Code	Product
D8521	Light Grey	D8238	HS Fast Hardener
D8525	Grey	D8239	HS Slow Hardener
D8527	Dark Grey	D8715	Productive Thinner
D8302	UHS Hardener	D8740	Plastic Primer Additive
D8717/18/19	Thinners		

<p>Mixing by volume</p>	<table border="1"> <tr> <td>2K Primer DP4000</td> <td>4</td> <td>2K Primer DP4000</td> <td>2</td> </tr> <tr> <td>UHS Hardener</td> <td>1</td> <td>HS Hardener</td> <td>1</td> </tr> <tr> <td>2K Thinner</td> <td>1.75</td> <td>2K Thinner</td> <td>0.5</td> </tr> </table>	2K Primer DP4000	4	2K Primer DP4000	2	UHS Hardener	1	HS Hardener	1	2K Thinner	1.75	2K Thinner	0.5	<p>Application Viscosity</p>	<p>16-18 seconds: DIN4</p>
2K Primer DP4000	4	2K Primer DP4000	2												
UHS Hardener	1	HS Hardener	1												
2K Thinner	1.75	2K Thinner	0.5												
<p>Pot Life</p>	<p>At 20°C: 1 hour</p>	<p>Spraygun Setup</p>	<p>1.2 -1.3mm</p>												
<p>Hardener/ Thinner Selection</p>	<p>Below 25°C: D8238 Hardener D8715 / D8717 Thinner</p> <p>20-30°C: D8238 Hardener D866 or D807 or D8718 Thinner</p> <p>25-35°C: D8238 Hardener D807 / D812 or D8718/19 Thinner</p>	<p>Number of Coats</p>	<p>Apply 1 full single coat or 1 light + 1 full to give a film thickness of 25-35 microns. Apply to achieve an even finish. Do not apply heavy coats.</p>												
		<p>Drying Times</p>	<p>Dry to sand at 60°C: 30 minutes</p>												

Primers

D8080 UV Cured Primer Surfacer

D8080 UV Cured Primer Surfacer is a unique UV cured undercoat suitable for small area repair of minor dents and scratches.






Repair process times using D8080 are extremely rapid, with easy application from ready-to-spray aerosol packaging and just a 2 minute through cure time using an approved UV lamp.


Immediately after the UV cure process, D8403 Surface Degreaser for UV Primer should be use for Surface cleaning.

It can be overcoated directly with DELTRON® GRS Basecoat and Direct Gloss.

D8080 UV Cured Primer Surfacer

Code	Product
D8080	UV Cured Primer Surfacer
D8403	Surface Degreaser for UV Primer

 Mixing by volume	Ready for use Simply shake the can to dislodge the internal metal ball, then shake vigorously for 2 minutes.
 Pot Life	Unlimited
 Number of Coats	Spraying range: 15-20 cm Apply up to 6 continuous coats to achieve the maximum recommended film thickness of 120 microns.

 Drying Times
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UV cure:
 Apply direct light from UV curing lamp on the entire surface area of the primer for 2 minutes, at a distance of 18-25 cms from the panel.

After 2 minute UV cure, the entire surface should be well cleaned with D8403 Surface Degreaser for UV Primer to remove uncured surface residue and overspray, before sanding.

D8416 / D8421 / D8424 / D8427 1K Aerosol

D8421, D8424, D8426 and the new D8416, 1K Aerosol Primers are designed and formulated for “Rub throughs” to bare metal and small spot repairs.



They can be overcoated directly with DELTRON® GRS Basecoat and Deltron GRS Direct Gloss.

They can be recoated with all PPG Deltron Global Refinish topcoat systems.

D8416 (G1), D8421 (G5), D8424 (G6), D8426 (G7) 1K Aerosol

Code	Product
D8416	G1 1K Aerosol Primer White –New for 2016
D8421	G5 1K Aerosol Primer Light Grey
D8424	G6 1K Aerosol Primer Grey
D8427	G7 1K Aerosol Primer Dark Grey

<p>Mixing by volume</p>	<p>Ready for use</p>	<p>Drying Times</p> <p>Allow to dry for 3-5 minutes between coats</p> <p>At 20°C: Recoat after 10-15 minutes (depending upon film thickness)</p>
<p>Pot Life</p>	<p>Unlimited</p>	
<p>Number of Coats</p>	<p>Spraying range: 15-20 cm</p> <p>Apply 2 single coats to give a minimum film thickness of approximately 25 microns.</p>	

Clearcoats

D800 DELTRON®

MS Clearcoat

Deltron D800 is a high-performance two-pack acrylic urethane clearcoat designed for repair and re-spraying as part of a basecoat / clearcoat process.



Deltron D800 clearcoat is optimised for use over Deltron GRS Basecoat. This clearcoat can be accelerated to maintain fast curing at low temperature, or to speed up process time for small to medium repairs in normal temperature conditions.

In order to accelerate the curing, Accelerated Hardeners (D863 / D864) and / or D818 Accelerator can be used, separately or in combination.

D863 / D864 Hardeners are used as replacements for Standard or MS Hardeners in the Clear mix.

D818 Accelerator is an additive which is added to the Ready mixed paint or to the thinner.

D800 Deltron MS Clearcoat

Code	Product	For matt, satin and textured finishes or painting of flexible substrates the following products are available:	
D800	Deltron Clear		
D803, D841, D861	Deltron Medium Solids Hardeners	D759	Deltron Matting Base
D864	Deltron Accelerated Medium Solids Hardener	D814	Deltron Plasticiser
D802	Deltron Standard Solids Hardener	D819	Deltron Matt Flexibiliser
D863	Deltron Accelerated Standard Solids Hardener	D843	Deltron Texture Additive
D808, D807, D812, D869	Deltron Thinners	D844	Deltron Leather Grain Additive
D868	Deltron DG Fade-out Thinner		
D818	Deltron Accelerator		

	With NS Hardener: 2:1:0.5 or 2:1:1		15 seconds: DIN4 with NS Hardeners
Mixing by volume	With MS Hardener: 3:1:0.5 or 3:1:1	Application Viscosity	17-18 seconds: DIN4 with MS Hardeners
	At 20°C: 6-8 hours with D802, D803 or D841 3-4 hours with D864 or D863		1.4-1.8 mm fluid tip
Pot Life		Spraygun Setup	
Hardener/Thinner Selection	Up to 18°C: D803 MS Accelerated Hardener D808 Fast Thinner 18-25°C: D841 MS Hardener D807 Thinner Over 25°C: D861 MS Slow Hardener D812 Slow Thinner <i>For exceptional conditions of temperature and humidity (above 35°C or 70% RH) the use of D869 Very Slow Thinner is recommended.</i>		1 light coat followed by 2 full coats with NS Hardeners 1 medium coat followed by 1 full coat with MS Hardeners
		Number of Coats	
			Dust free at 20°C: 20 minutes with NS Hardeners 30 minutes with MS Hardeners Through dry at 20°C: 20 hours Through dry at 60°C: 30 minutes (Can be reduced by using Accelerated System)
		Drying Times	

D880 DELTRON® HS Clearcoat

Deltron D880 High Solids Clear is a premium quality high solids polyurethane clearcoat specifically formulated to give optimum gloss and durability when low-baked.



It is designed to be used over *Deltron* GRS Basecoat but can also be used over ENVIROBASE® High Performance products.

D880 Deltron HS Clearcoat

Code	Product	For matt, satin and textured finishes or painting of flexible substrates the following products are available:	
D880	<i>Deltron</i> Clear	D759	<i>Deltron</i> Matting Base
D803, D841, D861, D864	<i>Deltron</i> Medium Solids Hardeners	D814	<i>Deltron</i> Plasticiser
D808, D807, D812, D869	<i>Deltron</i> Thinners	D819	<i>Deltron</i> Matt Flexibiliser
D868	<i>Deltron</i> DG Fade-out Thinner	D843	<i>Deltron</i> Texture Additive
D818	<i>Deltron</i> Accelerator	D844	<i>Deltron</i> Leather Grain Additive

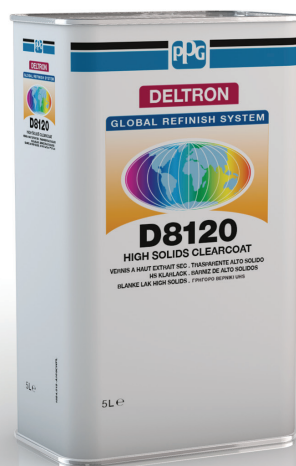
	With MS Hardener: 2:1:0.5		17 seconds: DIN4
Mixing by volume		Application Viscosity	
	At 20°C: 3 hours		1.4-1.8 mm fluid tip
Pot Life		Spraygun Setup	
Hardener/Thinner Selection	Up to 18°C: D803 MS Accelerated Hardener D808 Fast Thinner 18-25°C: D841 MS Hardener D807 Thinner Over 25°C: D861 MS Slow Hardener D812 Slow Thinner <i>For exceptional conditions of temperature and humidity (above 35°C or 70% RH) the use of D869 Very Slow Thinner is recommended.</i>		1 medium coat followed by 1 full coat
		Number of Coats	
			Dust free at 20°C: 40 minutes Through dry at 20°C: 20 hours Through dry at 60°C: 30 minutes
		Drying Times	

Clearcoats

D8120 DELTRON®

HS Clearcoat







Deltron D8120 High Solids Clear is a premium quality high solids polyurethane clearcoat specifically formulated to give optimum gloss and durability when low-baked.



It is designed to be used over *Deltron* basecoat and can also be used over ENVIROBASE® High Performance Colour.

D8120 HS Clearcoat

Code	Product
D8120	<i>Deltron Clear</i>
D803, D841, D861, D864	<i>Deltron Medium Solids Hardeners</i>
D808, D807, D812, D869	<i>Deltron Thinners</i>
D868	<i>Deltron DG Fade-out Thinner</i>
D818	<i>Deltron Accelerator</i>

 <p>Mixing by volume</p>	<p>D8120: 3 vol</p> <p>With MS Hardener: 1 vol</p> <p>With Thinner: 0.8 vol (20%)</p>	 <p>Application Viscosity</p>	<p>At 20°C: DIN4 16-17 seconds</p>
 <p>Pot Life</p>	<p>At 20°C: 2 hours</p>	 <p>Spraygun Setup</p>	<p>1.4-1.6 mm</p>
<p>Hardener/Thinner Selection</p>	<p>Up to 18°C: D803 Fast MS Hardener D808 Thinner</p> <p>18-25°C: D841 Medium MS Hardener D807 Thinner</p> <p>Over 25°C: D861 Slow MS Hardener D812 Thinner</p>	 <p>Number of Coats</p>	<p>1 medium, 1 full</p>
 <p>Drying Times</p>	<p>Dust Free at 20°C: 40 minutes</p> <p>Dry to handle at 20°C: 6 hours</p> <p>Through dry at 20°C: 20 hours</p> <p>Through dry at 60°C: 30-40 minutes (D841)</p> <p>Through dry at 70°C: 30 minutes</p>		

D8130 DELTRON® UHS Clearcoat

Deltron UHS Clearcoat is a 2K acrylic urethane clearcoat for the repair and repainting of panels originally finished with clearcoat over a single or multistage colour basecoat system.



D8130 is designed for use over ENVIROBASE® High Performance basecoat colour. It may be used in 2 different modes, standard 2 coat application, or a “one visit” application, where 1 medium / continuous coat is followed by a full coat with no flash off between coats.

This Product is designed to be mixed with Hardener only. No thinners are required.

D8130 UHS Clearcoat

Code	Product
D8130	Deltron UHS Clearcoat
D8242, D8243, D8244	Deltron UHS Hardeners

	With HS Hardener: D8130 - 2:1		At 20°C: DIN4 17-19 seconds
Mixing by volume		Application Viscosity	
	At 20°C: 1 hour with D8242 hardener 1.5 hours with D8243/8244 hardeners		1.3 - 1.4 mm
Pot Life		Spraygun Setup	
Hardener Selection	Up to 1°C: D8242 Hardener 18°C-30°C: D8243 Hardener Above 30°C: D8244 Hardener		Apply 1 medium & 1 full coat to give 50-60 microns dry film build. The first coat should be applied to all repair panels before the second coat is applied.
		Number of Coats	
			Through dry at 60°C: 30 minutes with D8242/3 35 minutes with D8244 Through dry at 20°C: 16 hours with D8242
		Drying Times	

Clearcoats

D8135 DELTRON® UHS Rapid Clearcoat

GRS Deltron UHS Rapid Clearcoat is a 2K acrylic urethane clearcoat for fast small repairs of vehicles originally finished with clearcoat over a single or multistage colour basecoat system.



D8135 is flexible enough to be used over rigid plastic components. This clearcoat is designed for use over ENVIROBASE® High Performance basecoat colour. It may be used in 2 different modes, “one visit application” or standard 2 coat application. This clearcoat is recommended for a maximum of 3 panels.

D8135 comes with a standard 15 minute bake option at 60°C for use on between 1 and 3 panels. There is also a rapid 10 minute bake option at 60°C for single panel / spot repair and a 30 minute bake option at 60°C, for larger repairs up to an application temperature of 25°C.

For optimum final appearance the 15 or 30 minute options are recommended depending on the type of repair.

D8135 UHS Rapid Clearcoat

Code	Product
D8135	Deltron UHS Rapid Clearcoat
D8217, D8218	Deltron UHS Hardener
D807, D812, D8717, D8718,	
D8719	Deltron Thinners
D8714	Deltron Accelerated Thinner

 Mixing by volume	D8135: 3 vol UHS Hardener: 1 vol Thinner: 0.6 vol	 Number of Coats	Apply 1 medium & 1 full coat to give 50-60 microns dry film build. The first coat should be applied to all repair panels before the second coat is applied.
 Pot Life	At 20°C: 20-30 minutes with D8217 / D8714 30-40 minutes with D8217 / D807, D812, D8717/18/19 40-50 minutes with D8218 / D807, D812, D8717/18/19	 Drying Times	Dust free at 20°C: 20-40 minutes with D8217/ D8218 Dry to handle at 20°C: 4 hours with D8217 6 hours with D8218 Through dry at 20°C: 12 hours with D8217 16 hours with D8218 Through dry at 50°C: 20 minutes with D8217 40 minutes with D8218 Through dry at 60°C: 10 minutes with D8217/D8714 15 minutes with D8217/D807, D812, D8717/18/19 30 minutes with D8218/D807, D812, D8717/18/19
Hardener/ Thinner Selection	Below 25°C: D8217/ D8218 UHS Hardener D807/D812/D8714/17/18/19 Thinner Above 25°C: D8217 D8218 UHS Hardener D812/D8718/19 Thinner		
 Application Viscosity	At 20°C: DIN418 -20 seconds		
 Spraygun Setup	1.2 -1.4 mm		

D8173 Premium UHS Clearcoat

Premium UHS Clearcoat D8173 is an acrylic 2 component clearcoat optimized for use over ENVIROBASE® High Performance basecoat.



D8173 Premium UHS Clearcoat has been specifically formulated to provide the best in front and back end performance. It is easy to apply with good, smooth flow from the gun and excellent polishability after bake allowing for quick and easy rectification.

The water white appearance in the can improves the fade out process, minimising any panel to panel effect, and the superb, flat gloss finish (which doesn't drop, even in the long term) ensures a high quality final appearance for any OEM repair.

In addition, fast drying options are available using an accelerated thinner, D8714. Unlike other clearcoats, this option has a long potlife (up to an hour) which allows even larger repairs to be completed using a 15 minute system, realizing higher productivity for the bodyshop. D8173 has also been designed to use just one existing hardener, D8302 in order to minimise stockholding.

D8173 Premium UHS Clearcoat			
Code D8173 D8302 D8717/18/19 D8713 D8714		Product Premium UHS Clearcoat UHS Hardener Thinners Accelerator Thinner for Clearcoat – Intermediate Accelerated Thinner	
Mixing by volume	D8173: 3 vol UHS Hardener: 1 vol Thinner: 0.6 vol	Application Viscosity	At 20°C: DIN4 18-20 seconds
Pot Life	At 20°C: 40 minutes with D8302 and D8714 60 minutes with D8302 and D8713 75 minutes with D8302 hardener	Spraygun Setup	1.2 -1.3 mm
Hardener/ Thinner Selection	Accelerated: D8302 UHS Hardener D8714 Thinner Accelerated - Intermediate: D8302 UHS Hardener D8713 Thinner	Number of Coats	Apply 1 medium & 1 full coat to give 50-60 microns dry film build. The first coat should be applied to all repair panels before the second coat is applied.
	Standard: D8302 UHS Hardener D8717/18/19 Thinner Slow for high temperatures: D8302 UHS Hardener D8719 Thinner		Drying Times

Clearcoats

D8115/D8117 GRS DELTRON® Matt Clearcoat System

Deltron Matt Clearcoat System consists of two versatile 2K acrylic urethane clearcoats designed to reproduce a range of low gloss levels for the specialised repairs of vehicles or areas of vehicles originally finished with a low gloss clearcoat over a single or multistage colour basecoat system.



The Clearcoats D8115 (Matt) and D8117 (Semi-Gloss) are designed for use over ENVIROBASE® High Performance and Deltron GRS basecoats.







To allow for the normal gloss variations due to colour, model, position of repair on vehicle etc., the actual mix of the two Clearcoats can be varied to match the vehicle to be repaired.

The D8115 / D8117 or mixes of the two may be used over rigid plastics without the need for special additives.

The D8115 / D8117 Clearcoats can be used with Deltron HS hardeners D8237 / D8238 / D8239.

D8115/ D8117 GRS Deltron Matt Clearcoat System

Code	Product
D8115	Deltron Matt Clearcoat
D8117	Deltron Semi Gloss Clearcoat
D8237, D8238, D8239	Deltron HS Hardeners
D807, D812, D869	Deltron Thinners
D8718, D8719	Deltron Low VOC Thinners

 <p>Mixing by volume</p>	<p>D8115 / D8117: 3 volumes</p> <p>Hardener: 1 volume</p> <p>With Thinner: 1.5 volumes</p>	 <p>Application Viscosity</p>	<p>At 20°C: DIN415 seconds</p>
 <p>Pot Life</p>	<p>At 20°C: 1 -2 hours depending on hardener/thinner</p>	 <p>Spraygun Setup</p>	<p>1.2 -1.4 mm</p>
<p>Hardener/ Thinner Selection</p>	<p>Below 25°C: Faster Hardener /Thinner</p> <p>Above 25°C: Slower Hardener/Thinner</p>	 <p>Number of Coats</p>	<p>1 Full single coat Flash off until evenly Matt all over + 1 Full single coat followed immediately by a lighter (½ coat) cross coat. Flash off until evenly Matt all over before baking.</p>
<p>Drying Times</p>	<p>Through dry at 60°C: 30 minutes with D8237 / D8238 40 minutes with D8239</p>		

D8122 GRS DELTRON® CERAMICLEAR® Clearcoat

Deltron CeramiClear D8122 is a 2K acrylic urethane clearcoat, for the repair and repainting of original CeramiClear Clearcoat, over a single or multistage colour basecoat system. It contains the CeramiClear technology that gives excellent scratch resistance.



D8122 is designed for use over both over *Deltron* GRS and ENVIROBASE® High Performance Basecoat.

Deltron CeramiClear D8122 has an organic solvent content lower than conventional clearcoats. This makes it particularly suitable for use in areas where VOC emissions or product VOC content is restricted and productivity is an issue.

D8122 Deltron CeramiClear Clearcoat

Code	Product
D8122	<i>Deltron CeramiClear</i>
D897/ D8208	<i>Deltron HS Hardeners</i>
D808/D807/ D812/D869, D8717/18/19 D8714	<i>Deltron Thinners Deltron Catalyst Thinner</i>

 Mixing by volume	With HS Hardener: 3:1:0.5	 Application Viscosity	At 20°C: DIN4 19 -21 seconds.
 Pot Life	At 20°C: 1 hour with D897 hardener 30 min. with D897 hardener and D8714 Catalyst Thinner	 Spraygun Setup	1.3 -1.6 mm
Hardener/ Thinner Selection	Up to 18°C: D8208 Hardener D808 Thinner 18°C-25°C: D897 Hardener D807/D8717/18 Thinner Over 25°C: D897 Hardener D812/D8719 Thinner	 Number of Coats	Apply 2 single coats to give 50-60 microns dry film build.
 Drying Times		Dust Free at 2°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	

Hardeners

Our range of hardeners gives an effortless, quality finish regardless of local climatic conditions.



Our products and processes are specifically designed to deliver exceptional quality and high productivity on all size of repairs.

Code	Description	Used in these products	Packsizes (L)
D802	NS Hardener	D8010 : D8015 : D8017	0.5L : 1L : 3L
D803	MS Accelerated Hardener	D7xx : D800 : D880 : D8010 : D8015 : D8017 : D8018 : D8019 : D8024 : D8120	0.5L : 1L : 3L
D841	MS Hardener	D7xx : D800 : D880 : D8010 : D8015 : D8017 : D8018 : D8019 : D8424 : D8120	0.5L : 1L : 3L
D861	MS Slow Hardener	D7xx : D800 : D880 : D8018 : D8019 : D8024 : D8120	1L
D863	NS Fast Hardener	D9010 : D8015 : D8017 : D8120	1L : 3L
D897	HS Hardener	D8122 : D8018 : D8019 : D8024	1L
D8208	HS Accelerated Hardener	D8122 : D8018 : D8019 : D8024	1L
D864	MS Accelerated Hardener	D8010 : D8015 : D8017	1L

Thinners

Our range of thinners gives an effortless quality finish regardless of local climatic conditions.



Each thinner is formulated to give optimum application performance and high quality appearance in all temperatures and spray booth conditions.

Code	Description	Used in these products	Packsizes (L)
D807	Medium Thinner	D7xx : D9xx : D800 : D880 : D8122 : D8010 : D8015 : D8017 : D8018 : D8019 : D8024 : D8120	1L : 5L : 25L
D808	Fast Thinner	D7xx : D9xx : D800 : D880 : D8122 : D8018 : D8019 : D8024 : D8120	1L : 5L : 25L
D812	Slow Thinner	D7xx : D800 : D880 : D8122 : D8010 : D8015 : D8017 : D8018 : D8019 : D8024 : D8120	1L : 5L : 25L
D866	Primer Thinner	D8010 : D8015 : D8017 : D8018 : D8019 : D8024	5L
D8718	Medium Thinner	D8122	5L
D8719	Slow Thinner	D8122	5L
D869	Extra Slow Thinner	D8010 : D8015 : D8017 : D8120	1L

Plastics

The PPG Plastic Painting System gives a range of products for the successful painting of all paintable plastic substrates, from cleaning and preparation through to texturing and topcoating.



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

Code	Description	Packsize (L)
D8434	Plastic Substrate Cleaner	1L
D846	Antistatic Agent for Plastic	1L
D820	Plastic Adhesion Promoter	1L
D8420	Plastic Adhesion Promoter (Aerosol)	0.4L
D816	Flexible Primer for Plastic	1L
D843	Texture Additive	1L
D844	Leather Grain Additive	1L
D814	Plasticiser	1L
D819	Matt Flexibiliser	1L

Stoppers/Putties

The PPG range of putties and stoppers have multi substrate capability with excellent application to give a smooth finish free of pin holes. The products can be used for filling both large, deep surface irregularities and small repairs.



With a smooth and easy application on all major substrates and quick easy sanding, PPG provides a bodyshop with a stopper and putty for their every need.

Code	Description	Container	Packsizes (L)
A656	Multi Purpose Polyester Filler Stopper	E : EC	1.5K : 1.5K
A659	Extra Light Stopper	E	1K
A652	Flexible Polyester Putty	E	1.5K
A722	Multi Purpose Stopper	E : EC	1.5K : 1.5K
A712	Polyester Spray Filler	E	1.5K

E: Can EC: Cartridge