



AUTO REFINISH



Product Information

PRIZMATIQUE®

DX78

PRODUCTS

Global Base Coat Colour	Dxxx
Prizmatique	DX78
Colour Blender	D895
Deltron Thinners	D870, D871, D872, D873
Deltron MS Hardener	D841

PRODUCT DESCRIPTION

Prizmatique contains glittering multi-coloured flakes, which transition with movement. When layered over a base colour, Prizmatique offers an almost holographic appearance of rainbow colour. The first layer is referred to as the groundcoat.

These are formulated from standard BC tinters. The midcoat layer contains Prizmatique to give a holographic effect.

Prizmatique Basecoats are recommended for experienced spray painters who wish to achieve a unique finish.

PREPARATION OF SUBSTRATE



SUBSTRATE

PPG 2K primers
Electrocoat
Sound 2K finishes
TPA

PREPARATION

P500 - dry / P800 - wet
Pre-prime - Do not topcoat direct
P500 - dry / P800 - wet
P500 - dry / P800 – wet - Must be sealed
(e.g. D834)

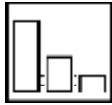


Before and after any sanding operation, the substrate must be thoroughly degreased using D845 or D837.

Application Guide

Basecoat

Mixing Ratio



Activated Basecoat and Prizmatique mixed colour

BC	8 parts by volume
D841	1 part by volume
Thinner	7 parts by volume

Custom Prizmatique mixing

D895/BC	100 grams/parts
DX78	up to 5 grams/parts

Than activate as above

NOTE: GRS BC (Basecoat) activation will be necessary for multi-layer applications (both the groundcoat and midcoat), high film builds (i.e. more than four coats), commercial vehicles, motorbikes, or wheel painting where a higher impact resistance is necessary. This applies to PPG Custom finishes within the Vibrance collection, such as Liquid Crystal, Crystal Pearls, Harlequin, Radiance II candy, Prizmatique and multi-layer finishes.

Tape times will need to be extended to 30 minutes at 20°C.

**** RFU mix ratios available on paint manager**

Choose Thinner according to application temperature and repair area size
(see product manual section 3 general information)

	<i>Thinner</i>
Up to 18°C	D870
18°C – 25°C	D871
Over 25°C	D872

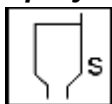
For exceptional conditions of temperature and humidity (>35°C or >70%) Extra Slow Thinner D873 may be used in BC.

Potlife



Uncatalysed (no hardener)	No limit
Catalysed (with hardener)	6 hours

Spray Viscosity



15 secs DIN4
at 20°C

Spraygun Setup



1.3 – 1.4 mm

Spray Pressure - HVLP /RP

1.3 -1.8 bar / 20 - 25 PSI

- **Conventional**

1.8 - 2.5 bar / 25 - 35 PSI

Number of Coats



BC groundcoat

2 - 3 medium wet coats or until hiding is achieved.
(+ 1 light control coat if required)

Prizmatique midcoat

2-4 or until colour is achieved. The correct technique must be used to minimise overlaps and achieve a uniform effect.

Flash Off at 20°C



Between coats

10 minutes

Before clearcoat

20 minutes

Drying Times



Tape time Activated BC

30 minutes

Technical Data

Total Dry Film Build of 2-3 coats BC

Minimum 10 µm

Maximum 25 µm

*Theoretical Coverage** 3.5 – 7 m²/L ready-to-spray

* Assuming 100% transfer efficiency and dry film thickness as indicated

Flash Points

BC Colour, Refer PPG MSDS
D870, D871, D872, D873, D845, Refer PPG MSDS
D837, D846, D841

Sanding



Grade damp

To remove minor defects in Prizmatique or GRS BC de-nib after 20 minutes flash-off using fine sand paper (P800 - P1200 or P1000 Abralon damp) followed by more base coat prior to the clearcoat application. Use damp fine sandpaper only and avoid using excessive water when de-nibbing.

**** Do not wet sand large areas of Prizmatique or GRS BC. Wet sanding can lead to excessive water absorption by the basecoat and can downgrade the mechanical properties of the system particularly in the subsequent topcoats.**

Overcoat/Recoat Time Activated / Unactivated



After 24 hours

20 minutes minimum prior to clearcoat application

12 hours maximum prior to clearcoat application

After 12 hours Prizmatique or GRS BC has to be re-applied prior to clearcoat application

Overcoat with

Any PPG Global clear

NOTES

1. Custom or exotic finishes are excluded from coverage under the Global Paint Performance Guarantee.
2. **Standard Mixing** - Settling may occur in shipping. Hand stir thoroughly before the addition of thinners.

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.

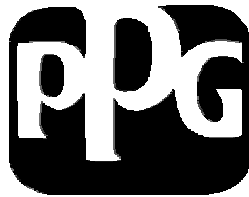


- Global Hardeners and activated Global BC and PPG 2K Clearcoats contain isocyanate and therefore particular safety precautions must be taken.
- Goggles must be worn when mixing and using to prevent accidental splashing into the eye. If contact occurs with eyes give prolonged irrigation with water and 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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