PROTEC AUTOMOTIVE PAINTS

TECHNICAL DATA SHEET

PARA GLAZE

PARAGLAZE MATT CLEARCOAT SYSTEM

PRODUCT DESCRIPTION

The Paraglaze Matt Clearcoat System is designed for use over Paraglaze Basecoat.

Paraglaze Ultra Finish Clearcoat and Paraglaze Matting Base are used to produce a range of low gloss levels for custom finishes or repairs over low gloss OEM finishes. To allow for normal variations in gloss due to colour, position of repair on vehicle etc., the mix ratios can be adjusted to match the vehicle to be repaired.

PRODUCTS

Paraglaze Ultra Finish Clearcoat	PC-5950
Paraglaze Gloss Matting Base	PT-G132
Paraglaze Hardener Standard	PH-4200
Paraglaze Hardener High Temp	PH-4300
Paraglaze Reducer Low Temp	PS-6100
Paraglaze Reducer Standard	PS-6200
Paraglaze Reducer High Temp	PS-6300
Paraglaze Reducer Extra High Temp	PS-6400
PROTEC® Heavy Duty Degreaser	AA-6822

SUBSTRATES & PREPARATION

Paraglaze Matt Clearcoats must be applied on top of:

- Clean and dust-free Paraglaze Basecoat. The use of a clean tack rag is recommended to remove dust from the basecoat film before topcoating
- Sound,fully cured 2 pack refinish clearcoats that have been degreased and sanded
- Sound OEM clearcoats that have been degreased and sanded

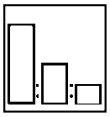
Substrates other than those stated above should be tested before use, to ensure that the performance of this product is suitable for its intended use.

Minimise direct contact of masking tape onto the original low gloss finish.

- When necessary to do so, the tape must be removed before baking to avoid marking of the original finish, which may not recover

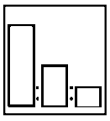
Avoid dirt inclusion at all stages: rectification of dirt inclusion in low gloss finishes is not possible after the final coat of clearcoat.

MIXING RATIO BY VOLUME



PRODUCT	PARTS
Paraglaze Matt Clearcoat	2
PH-4200 or PH-4300	1
Paraglaze Reducer	0 - 10%

GLOSS ADJUSTMENT GUIDE



To allow for normal variations in the gloss level, depending on the colour, model, position of repair on vehicle etc., it is possible to mix PC-5950 and PT-G132 in any ratio to match the required gloss for a particular repair.

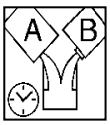
The percentage ratios quoted below give the best starting point for the five gloss level ranges:

GLOSS CODE	MC01	MC02	MC03	MC04	MC05
GLOSS EFFECT	MATT		LOW GLOSS		SEMI-GLOSS
GLOSS RANGE	0 - 10%	10.1 - 20%	20.1 - 30%	30.1 - 45%	45.1 - 60%
INGREDIENT	Percentage (%) By Weight				
PC-5950	30	35	40	45	50
PT-G132	70	65	60	55	50

Activate and reduce the resulting mix as above.

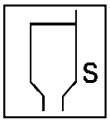
Note: Test panels MUST be sprayed out using the intended hardener/reducer ratio and spraygun combination to check for colour and gloss level against the vehicle to be repaired.

POTLIFE



1 hour at 25°C.

SPRAY VISCOSITY



17 - 19 seconds (DIN 4) at 25°C.

SPRAYGUN SETTINGS *(GRAVITY)*

SETUP 1.3 - 1.4 mm

SPRAY PRESSURE
- HVLP / RP: 1.8 - 2.2 bar
- CONVENTIONAL: 3.0 - 3.5 bar

APPLICATION & FLASH OFF *(at 25°C)*

1st coat	Apply an even, medium coat
Flash off	Allow to flash off fully until evenly matt before applying the second coat
2nd coat	Apply an even, wet coat

Note: Apply the 1st coat to all but the final 10cm of the fade out panel and allow to flash off. Then apply the 2nd to the whole repair area.

BAKING TIME & TEMPERATURE

40 minutes at 60°C

Note: Drying times will need to be extended under cooler conditions. Seek further advice before spraying. Temperature shown is metal temperature.

TOTAL DRY FILM BUILD

50 - 60 µm

TOPCOAT / RECOAT

TIME:	Minimum of 8 hours after bake
PREPARATION:	P500 (dry) OR P800 (wet)

PERFORMANCE & LIMITATIONS

The gloss levels achieved with this system will vary depending on film build and application:

- Low film build and dry application will give a lower gloss
- High film build and wet application will give a higher gloss

Removal of minor dirt inclusions in the finish:

- Fully dry the repair, denib after cooling and apply one further coat of the clearcoat mix
- Take care to avoid too high a film build as the final colour could be affected. If this occurs, the repair will require sanding and recoating with basecoat and clearcoat

Dirt removal from the final low gloss finish is not possible.

GENERAL CARE & MAINTENANCE OF LOW GLOSS FINISHES

The following guidance is aimed at the car owner and applies to both the OEM and repair finish.

Particular care is required to maintain the even low gloss effect over time.

General handling and day to day use (opening the door/bonnet/boot, shoe scuffing on entry or exit to the vehicle etc.): take care with these operations as low gloss finishes can be relatively easily marked and the low gloss effect could be altered.

Fuel spillage: take care to avoid and remove spillage as soon as possible using the below guidelines, to prevent permanent damage or altering of the low gloss finish.

Polishing:
- Avoid the use of abrasives, polishes and wax polishes
- Do not polish the vehicle as this will lead to a higher, uneven gloss

Cleaning:
- The preferred method is by hand with a soft sponge, neutral soap and plenty of water
- Avoid the use of automated car washing machines and paint cleaners as cleaning with unsuitable materials could alter the low gloss effect (generally increasing the gloss)
- Too frequent car washing could, over a period of time, lead to higher and inconsistent gloss levels across the vehicle
- Avoid washing under direct sunlight
- Insect and bird residues should be removed immediately: soak in water and/or remove with high pressure cleaning equipment. In the case of strongly adhered residues, a spray on insect remover should be used prior to washing
- When using any type of cleaning fluid with a soft sponge or cloth, it is essential no to apply pressure or rub he low gloss finish: use a gentle wipe/spray on and wipe off technique

EQUIPMENT CLEANING

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

HEALTH AND SAFETY

Refer to Safety Data Sheets (SDS) for full Health and Safety details, as well as product can labels.

Protec hardeners and activated products contain isocyanate and therefore particular safety precautions must be taken; please refer to SDS for full health and safety details.

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 or her 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 25°C/77°F. Film thickness, humidity and shop temperature can all affect drying times.

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