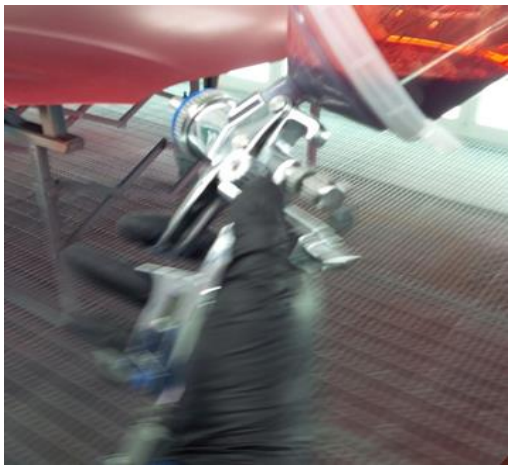
PROTEC AUTOMOTIVE PAINTS

PROCESS INFORMATION

Special Tinted Clear Midcoat Application Process

PROCESS DESCRIPTION

A tinter, e.g. VM4350 is added to the clearcoat for the mid-coat layer to give enhanced depth and clarity required in the latest OEM "candy apple" type colours, e.g. Ford Ruby Red, Toyota Infra-Red / Sonic Red. Other colours may use a different tinter but the process will remain the same.



PRODUCTS

	Tinter	e.g. VM4350 Vivid Ruby
Mid Coat Layer		
	Paraglaze Maxiglaze HS Clearcoat	PC-3320
	Paraglaze Maxiglaze Hardener	PH-4271
	Paraglaze Reducer Low Temp	PS-6100
Top Layer		
	Paraglaze Maxiglaze HS Clearcoat	PC-3320
	Paraglaze Maxiglaze Hardener	PH-4271
	Paraglaze Reducer Standard	PS-6200

1. REPAIR AND PREPARATION OF SUBSTRATE

1.1 The damaged body work of the vehicle should be repaired using a *Protec* repair and undercoating system for the substrate of the body panels being repaired (Aluminium, Steel, Plastic, etc.)

1.2 When preparing the substrate, suitable colour check panels should be prepared alongside in the same Multigrey shade used when checking the colour/effect as described in the Technical Bulletin for Colour Check

2. SYSTEM APPLICATION PROCESSES - FADE OUT

- Finish the repair with the recommended wet-on-wet multigrey primer shade for the specific colour to be applied. Alternatively, basecoat multigrey may be used. This is important to achieve the final colour.
- Prepare panel as recommended for a blending process.
- Apply the basecoat as described in the relevant PDS.
- Flash off between coats as recommended.
- Use recommended fadeout process for the basecoat being used.
- Mix the tinted midcoat layer as described in PAINTMANAGER® (using PS-6100 as the thinner at @ 2:1:15%) accordingly.
- Apply the appropriate number of coats as decided in the Colour Check Process.
- Avoid any heavy application to reduce risk of fat edges/framing.
- Melt the edge of midcoat layer with Aerosol Spot Blender – SXA860 Aerosol Blending Thinner.
- Bake as per PC-3320 for 30 minutes @ 60°C. Leave to cool down and de-nib any blemishes using P1000-2000 Abralon. Avoid agressive sanding.
- Clean and apply non-tinted clear (PC-3320 in standard mode at 2:1: up to 15%) as per PDS for final gloss.

3. SYSTEM APPLICATION PROCESSES - RESPRAY / FULL PANELS

- Finish the repair with the recommended wet-on-wet multigrey primer shade for the specific colour to be applied. Alternatively, basecoat multigrey may be used. This is important to achieve the final colour.
- Mix the tinted midcoat layer as described in PAINTMANAGER® (using PS-6100 as the thinner at @ 2:1:15%) accordingly.
- Avoid any heavy application to reduce risk of fat edges/framing.
- Bake as per PC-3320 for 30 minutes @ 60°C. Leave to cool down and de-nib any blemishes using P1000-2000 Abralon. Avoid agressive sanding.
- Clean and apply non-tinted clear (PC-3320 in standard mode at 2:1: up to 15%) as per PDS for final gloss.

Note: Once the midcoat layer is cured it may be sanded with P1000-2000 dry, cleaned then clearcoated with the PC-3320 clearcoat.

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 - www.protec.com.au

These products are 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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EMERGENCY RESPONSE NUMBER, New Zealand: 0800 000 096

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