MAXMEYER® VOC Low Gloss Clearcoats 0720, 0760

PRODUCT DESCRIPTION

The *MaxMeyer* VOC low gloss clearcoats are designed for use over AQUAMAX® Extra waterborne basecoat and Paraglaze Basecoat.
0720 *MaxMeyer* VOC Matt Clearcoat and 0760 *MaxMeyer* VOC Semi-Gloss Clearcoat can be used alone or mixed at various ratios to produce the full spectrum 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 ratios can be adjusted to match the vehicle to be repaired.

PRODUCTS

TYPE	DESCRIPTION	CODE
CLEARCOATS	*MaxMeyer* VOC Matt Clearcoat	0720
	MaxMeyer VOC Semi-Gloss Clearcoat	0760
HARDENER	*Maxiglaze Hardener*	PH-4271
THINNERS	*MaxMeyer* Thinner Standard	4317
	MaxMeyer Thinner High Temp	4327
CLEANERS	ONECHOICE® Water-Methylated Spirits Cleane	SWX250
	PROTEC® Heavy Duty Degreaser	AA-6822
SPRAYING EQUIPMENT	SATAjet® HVLP Digital 1.3 0.6L	SATA-210633/UNIT
	[125070] 57 x SATA® RPS Cups 0.6L Disposable 200µm	947-57605/CARTON
	[118489] 40 x *Sata* RPS Cups **0.9L** Disposable 200µm	947-57957/CARTON

SUBSTRATES & PREPARATION

The *MaxMeyer* VOC low gloss clearcoats can be applied over the following substrates

SUBSTRATE	PREPARATION
AquaMax Extra Basecoat or Paraglaze Basecoat	As per the relevant *AquaMax* Extra Basecoat or Paraglaze Basecoat Technical Data Sheet.
OEM finishes in sound condition	Grey Scourer, by hand or machine.
Sound, fully cured 2 pack refinish finishes	Grey Scourer, by hand or machine.

Before and after any sanding operation, the substrate must be thoroughly degreased using AA-6822 *Protec* Heavy Duty Degreaser, followed by SWX250 *OneChoice* Water-Methylated Spirits Cleaner.

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

IMPORTANT NOTES:

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

The use of a clean tack rag is recommended to remove dust from the surface before topcoating.

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

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 0720 and 0760 in any ratio to match the required gloss for a particular repair.

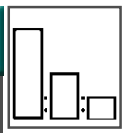
The percentage ratios suggested below give the best starting point for the five gloss level

GLOSS CODE	MT001	MT002	MT003	MT004	MT005
	MATT		LOW GLOSS		SEMI-GLOSS
	0 - 10%	10.1 - 20%	20.1 - 30%	30.1 - 45%	45.1 - 60%
INGREDIENT	Percentage (%) By Weight				
0720	100	70	50	30	0
0760	0	30	50	70	100

Activate and reduce the resulting mix as below.

Note: Test panels for colour and gloss checks MUST be sprayed out using the reducer, hardener, basecoat and application method intended to be used on the actual vehical.

MIXING RATIO BY VOLUME

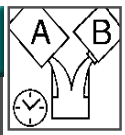


PRODUCT	PARTS
0720 / 0760	3
PH-4271	1
MaxMeyer Thinner	1

THINNER SELECTION GUIDE

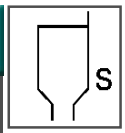
Below 25°C | Smaller areas | Verticles | Higher gloss | Smaller spraygun tip size	4317
Above 25°C | Larger areas | Horizontals | Lower gloss | Larger spraygun tip size	4327

POTLIFE



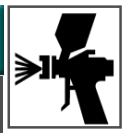
2 hours at 25°C.

SPRAY VISCOSITY



15 seconds (DIN 4) at 25°C.

SPRAYGUN SETTINGS



The specifications below are for the recommended spraygun, or similar.

GUN TECHNOLOGY	*Satajet* HVLP
SETUP	1.3 - 1.4 mm
SPRAY PRESSURE	1.8 - 2.2 bar

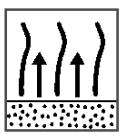
APPLICATION, DRYING & CURING

APPLICATION

NUMBER OF COATS	2 full coats. - Allow the first coat to flash off fully, until uniformly matt and dry - Follow the second full coat immediately with a light control coat over the entire wet clearcoat film
BLENDING	Blending of a low gloss clearcoat is not possible as the resulting clearcoat edge cannot be polished to give an invisible repair. However, depending on the colour and effect of the OEM clearcoat, the basecoat layer can be blended out as per normal, followed by application of the *MaxMeyer* low gloss clearcoat to the next convenient panel edge, as indicated below: - Apply the first coat to all but the last 10cm of the blendout panel - Apply the second coat to the whole repair area *This is generally true for lighter colours. Darker colours (especially blacks) are more impacted by low gloss finishes, so it is more likely that the repair of the low gloss clearcoat over the OEM low gloss clearcoat will effect the colour match → therefore, the above approach may not be possible and a complete basecoat/clearcoat panel repair is the better option.*

Note that 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



FLASH OFF / DRYING / CURING

Allowing a full flash off is important in achieving an even gloss level over the entire repair area.

BETWEEN COATS	Until uniformly matt and dry.

DRYING / CURING	*BAKE*	Flash off until uniformly matt and dry. 30 minutes at 60°C.
	INFRA RED	Must be completely dry before I.R. 8-15 minutes - Medium Wave.

TOTAL DRY FILM BUILD

45 - 55 µm.

RECOATING

	TIME	Refer to APPLICATION, DRYING & CURING section above.
	PREPARATION	Refer to DE-NIBBING & POLISHING section above.
		Sanding is essential before recoating to ensure good adhesion.
	RECOATING	Apply one further coat of the 0720 / 0760 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 overcoating with basecoat and clearcoat
OVERCOAT WITH…	*AquaMax*	Extra Basecoat, Paraglaze Basecoat

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 an 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 not to apply pressure or rub the 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.

STORAGE

Store in a dry place away from heat.

HEALTH & SAFETY

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

MaxMeyer 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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