



MAXIMUM 2:1 CLEARCOAT

MXMCL/5

Version: 2.0

Date of issue: 02/02/2021 Revision date: 29/09/2021 Supersedes: 02/02/2021



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

U-Pol Maximum Clearcoat is a high solids, 2:1 clearcoat that delivers a crystal clear finish with superior gloss retention. It's easy to apply with excellent flow and non-sag properties. Gives a durable, UV and scratch resistant finish. Ideal for all types of paintwork applications.



- Good flow and non-sag properties
- Has excellent gloss and long term durability.
- Can be air dried, low baked.
- Can be easily polished once cured.

APPLICATION INFORMATION



FOR PPE RECOMMENDATIONS REFER TO SDS

IMPORTANT: FOR PROFESSIONAL USE ONLY. Read full instructions before use.

This product contains hazardous materials and therefore appropriate personal protective equipment should always be used. Please refer to the label and consult the safety data sheet for full handling instructions and personal protection information. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material.

Components



Product	Order Code	Format	Colour
MAXIMUM 2:1 CLEARCOAT	MXMCL/5	5L Tin	Colourless
Hardener	Order Code	Format	Temperature ranges
MAXIMUM Hardener	MXMH/25	2.5L Tin	5 - 25°C
Thinner	Order Code	Format	Temperature ranges
Optional Additives	Order Code	Format	
SYSTEM 20 Rocket Paint Accelerator	ROC/S	250ml Bottle	
SYSTEM 20 Rocket Paint Accelerator	S20ROC/M	500ml Bottle	
SYSTEM 20 Fish Eye Eliminator	S20FISH/S	250ml Bottle	

Using products outside of the recommended application temperature or mixing ratio may lead to surface defects or improper through-cure. Please refer to additive technical data sheets for further use instructions.

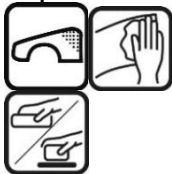
Mixing ratio



Standard Application	Volume	250 ml	500 ml	750 ml	1000 ml
MAXIMUM 2:1 CLEARCOAT	2	159 g	317 g	476 g	634 g
MAXIMUM Hardener	1	78 g	157 g	235 g	314 g

Cumulatively mixing by grams will give the total indicated volume.

Surface Preparation



Substrate	Degreaser	Abrasion
Previously painted surfaces Freshly applied basecoat*	SYSTEM 20 Solvent-Based Degreaser *	P1000 abrasive *

For best results, good preparation is essential. Clean and degrease removing dirt, oil, grease and wax using cleaning solutions such as U-POL's SYSTEM 20 Degreasers. Abrade with grit paper as stated above for each respective substrate. Re-clean, dry and degrease the abraded substrate ready for application. *Before applying clearcoat, ensure the basecoat is prepared according to the manufacturer's technical data sheet.

Gun Setup



	Standard Application
Gun Tip Size (HVLP)	1.2 – 1.4 mm
Air Pressure at Gun (HVLP)	2 bar

Application



	Standard Application
Application Viscosity (DIN4)	14 – 16 Seconds
Working Pot-Life at 20°C	4 – 6 hours
Number of Coats	2
Flash-off at 20°C between coats	5 – 10 minutes
Total Dry Film Thickness	50 – 60 µm / 1.5 MIL
Theoretical Coverage @ indicated DFT*	8.2 m ² /L

*Theoretical Coverage assuming total dry film thickness is attained at 100% transfer efficiency.

Paint straining is recommended prior to application to remove any unwanted dust or debris.

Use BLEND #9 Fade Out Solvent Aerosol for areas of the repair that require blending.

Addition of SYSTEM 20 Fish Eye Eliminator to topcoats and clears will eliminate fish eyes and crater formation caused by silicone contamination.

Drying Time

	Standard Application
Tack-Free at 20°C	60 minutes



MAXIMUM 2:1 CLEARCOAT

MXMCL/5

Version: 2.0

Date of issue: 02/02/2021 Revision date: 29/09/2021 Supersedes: 02/02/2021



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET



Dry-Through at 20°C 18 – 24 hours

Flash-off at 20°C prior to forced drying 10 minutes
Dry-Through at 60°C 30 minutes

Add Rocket paint accelerator 2 – 3 % or 30 ml into 1 Litre hardener to reduce dry times by 30 – 50%

PLEASE NOTE: if the re-coat time window has been exceeded, sand with P1000-1200 before applying.

Recoating



Recoatable at 20°C within **Standard Application**
24 hours No abrasion required.

PLEASE NOTE: if the re-coat time window has been exceeded, sand with P1000-1200 before applying.

Polishing



Ready to Polish at 20°C **Standard Application**
Ready to Polish at 60°C 18 hours
1 hour after cool down of object to ambient temperature from bake cycle.

Additional information



Percent Solids **Standard Application**
Density 38.09 wt%
0.9478 g/cm³

Equipment Cleaning Clean gun immediately after use with thinner or gunwash.
Important Remarks Activated material should not be returned to the original can of non-activated material.
Do not use activated product beyond pot life

VOC Information



VOC Category (2004/42/CE) Special Finishes, product category IIB(e), max. limit 840 g/l

The VOC content of this product as received is 551 g/l. The VOC content of this product in ready to use form is 609 g/l.

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Recommended storage temperature 5°C - 25 °C

Shelf Life & Storage



Product	Order Code	Format	Shelf Life
MAXIMUM 2:1 CLEARCOAT	MXMCL/5	5L Tin	5 years
MAXIMUM Hardener	MXMH/25	2.5L Tin	2 years
SYSTEM 20 Rocket Paint Accelerator	ROC/S	250ml Bottle	5 years
SYSTEM 20 Rocket Paint Accelerator	S20ROC/M	500ml Bottle	5 years
SYSTEM 20 Fish Eye Eliminator	S20FISH/S	250ml Bottle	5 years
BLEND #9 Fade Out Solvent Aerosol	BLEND/AL	450ml Aerosol	5 years
SYSTEM 20 Water-Based Degreaser	S2000/5	5L Canister	5 years
SYSTEM 20 Solvent-Based Fast Degreaser	S2001/5	5L Tin	5 years
SYSTEM 20 Solvent-Based Slow Degreaser	S2002/1	1L Tin	5 years
SYSTEM 20 Solvent-Based Slow Degreaser	S2002/5	5L Tin	5 years
HVLP Gravity Gun 1.3mm tip	GUNGHV/13	1-pack	-
HVLP Gravity Gun 1.4mm tip	GUNGHV/14	1-pack	-
MAXIMUM Professional Lint-Free Solvent Wipes	MWPP/350	100-pack	-
MAXIMUM Tack Cloths	TRAG/10	10-pack	-
MAXIMUM Tack Cloths	TRAG/50	50-pack	-
MAXIMUM Premium Masks	RESPV	1-pack	-
MAXIMUM Painters Overalls	COVER/M	1-pack	-
MAXIMUM Painters Overalls	COVER/L	1-pack	-
MAXIMUM Painters Overalls	COVER/XL	1-pack	-
MAXIMUM Painters Overalls	COVER/XXL	1-pack	-
MAXIMUM Painters Overalls	COVER/XXXL	1-pack	-
MAXIMUM Abrasive Latex Paper Discs P1000	ABD7/VP1000	100-pack	-
MAXIMUM Abrasive Latex Paper Discs P1200	ABD7/VP1200	100-pack	-

For additional technical assistance, please contact the U-POL Technical Department at technicalsupport@u-pol.com

U-POL disclaims any liability where the user does not wear the recommended personal protective equipment. The above data is for information only and may change without prior notice. It is the Buyers responsibility to ensure the suitability of the products for their own use and check the information is up to date. The recommendation of use of our products and application in our technical data sheets are based on our knowledge and experience. These data sheets are available via your local stockist or via the U-POL website at WWW.U-POL.COM. U-POL is not responsible for the results obtained by others over whose methods we have no control and thereof U-POL is not liable for consequential or incidental damages including loss of profits. U-POL is not liable for mis-use or abuse of its products and no application warranty is expressed or implied.

U-POL Limited
Denington Road
NN8 2QH Wellingborough - United Kingdom
T +44 (0) 1933 230310
technicalsupport@u-pol.com - www.u-pol.com

U-POL Netherlands B.V.
Hoorgoordreef 15
1101BA Amsterdam - Netherlands
T +31 20 240 2216
technicalsupport@u-pol.com - www.u-pol.com