



MAXIMUM™ 4:1 CLEARCOAT

MXMCL/G-AU

Version: 1.0

Date of issue: 24/05/2023

DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

Manufactured in Europe using high quality European resins, Maximum 4:1 Clearcoat gives a high build, crystal clear finish with exceptional gloss retention. It's easy to apply with excellent flow and non-sag properties and hardens rapidly to give a durable, UV resistant finish. Once cured it can be easily buffed.



- Can be used for spot or 1-4 panel repairs.
- Can be applied over most water and solvent borne basecoat paints.
- Air dry or low bake.

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™ 4:1 CLEARCOAT	MXM80	1 US Gallon Tin	
Hardener	Order Code	Format	Temperature ranges
MAXIMUM Hardener	MXM32/M	500ml Tin	5 - 25°C
MAXIMUM Hardener	MXM32/25	2.5L Tin	5 - 25°C
MAXIMUM Hardener	MXMH/QT-AU	946ml Tin	5 - 25°C
MAXIMUM Slow Hardener	MXMSH/QT-AU	946ml 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™ 4:1 CLEARCOAT	4	183 g	366 g	548 g	731 g
MAXIMUM Hardener	1	47 g	93 g	140 g	186 g

Cumulatively mixing by grams will give the total indicated volume.

Surface Preparation



Substrate	Degreaser	Abrasion
Previously painted surfaces	SYSTEM 20 Solvent/Water-Based Degreaser	P1000 (wet or dry)
Freshly applied basecoat*	*	*

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)	1.3 – 1.4 mm
Air Pressure at Gun (HVLP)	2 bar / 29 PSI

Application



	Standard Application
Application Viscosity (DIN4)	12 – 14 Seconds
Working Pot-Life at 20°C	7 – 9 hours

Number of Coats	2
Flash-off at 20°C between coats	2 – 5 minutes

Total Dry Film Thickness	35 µm / 1.5 MIL
Theoretical Coverage @ indicated DFT*	7.6 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.



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	Addition of SYSTEM 20 Fish Eye Eliminator to topcoats and clears will eliminate fish eyes and crater formation caused by silicone contamination.																																																																		
 <p>Drying Time</p>	<p>Tack-Free at 20°C Touch Dry at 20°C Dust Free at 20°C Dry-Through at 20°C</p> <p>Flash-off at 20°C prior to forced drying Dry-Through at 60°C</p>	<p>Standard Application</p> <p>20 minutes</p> <p>16 hours</p> <p>10 minutes 30 minutes</p>																																																																	
 <p>Recoating</p>	<p>Add Rocket paint accelerator 2 – 3 % or 30 ml into 1 Litre hardener to reduce dry times by 30 – 50%</p> <p>This formulation can be recoated without sanding, if applied within the re-coat time. If the re-coat time has been exceeded, lightly scuff before recoat application.</p> <p>Standard Application</p> <p>Recoatable at 20°C after Recoatable at 20°C within</p> <p>This formulation can be recoated without sanding, if applied within the re-coat time. If the re-coat time has been exceeded, lightly scuff before recoat application.</p>																																																																		
 <p>Polishing</p>	<p>Ready to Polish at 20°C Ready to Polish at 60°C</p>	<p>Standard Application</p> <p>16 – 24 hours 1 hour after cool down of object to ambient temperature from bake cycle.</p>																																																																	
 <p>Additional information</p>	<p>Percent Solids Density</p> <p>Equipment Cleaning Important Remarks</p>	<p>Standard Application</p> <p>31.58 wt% 917 g/l (7.6 lbs/gal)</p> <p>Clean gun immediately after use with thinner or gunwash. Activated material should not be returned to the original can of non-activated material. Do not use activated product beyond pot life</p>																																																																	
 <p>VOC Information</p>	<p>VOC Category (2004/42/CE)</p> <p>The VOC content of this product as received is 612 g/l. The VOC content of this product in ready to use form is</p>	<p>Topcoat, product category IIB(d), max. limit 420 g/l</p>																																																																	
 <p>Shelf Life & Storage</p>	<p>Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.</p> <p>Recommended storage temperature 5°C - 25 °C</p> <table border="1" data-bbox="284 1395 1530 1776"> <thead> <tr> <th>Product</th> <th>Order Code</th> <th>Format</th> <th>Shelf Life</th> </tr> </thead> <tbody> <tr><td>MAXIMUM™ 4:1 CLEARCOAT</td><td>MXM80</td><td>1 US Gallon Tin</td><td>5 years</td></tr> <tr><td>MAXIMUM Hardener</td><td>MXM32/M</td><td>500ml Tin</td><td>2 years</td></tr> <tr><td>MAXIMUM Hardener</td><td>MXM32/25</td><td>2.5L Tin</td><td>2 years</td></tr> <tr><td>MAXIMUM Hardener</td><td>MXMH/QT-AU</td><td>946ml Tin</td><td>2 years</td></tr> <tr><td>MAXIMUM Slow Hardener</td><td>MXMSH/QT-AU</td><td>946ml Tin</td><td>2 years</td></tr> <tr><td>SYSTEM 20 Rocket Paint Accelerator</td><td>ROC/S</td><td>250ml Bottle</td><td>5 years</td></tr> <tr><td>SYSTEM 20 Rocket Paint Accelerator</td><td>S20ROC/M</td><td>500ml Bottle</td><td>5 years</td></tr> <tr><td>SYSTEM 20 Fish Eye Eliminator</td><td>S20FISH/S</td><td>250ml Bottle</td><td>5 years</td></tr> <tr><td>BLEND #9 Fade Out Solvent Aerosol</td><td>BLEND/AL</td><td>450ml Aerosol</td><td>5 years</td></tr> <tr><td>SYSTEM 20 Water-Based Degreaser</td><td>S2000/5</td><td>5L Canister</td><td>5 years</td></tr> <tr><td>SYSTEM 20 Solvent-Based Fast Degreaser</td><td>S2001/5</td><td>5L Tin</td><td>5 years</td></tr> <tr><td>SYSTEM 20 Solvent-Based Slow Degreaser</td><td>S2002/1</td><td>1L Tin</td><td>5 years</td></tr> <tr><td>SYSTEM 20 Solvent-Based Slow Degreaser</td><td>S2002/5</td><td>5L Tin</td><td>5 years</td></tr> <tr><td>HVLP Gravity Gun 1.3mm tip</td><td>GUNGHV/13</td><td>1-pack</td><td>-</td></tr> <tr><td>HVLP Gravity Gun 1.4mm tip</td><td>GUNGHV/14</td><td>1-pack</td><td>-</td></tr> </tbody> </table> <p>For additional technical assistance, please contact the U-POL Technical Department at technicalsupport@u-pol.com</p>			Product	Order Code	Format	Shelf Life	MAXIMUM™ 4:1 CLEARCOAT	MXM80	1 US Gallon Tin	5 years	MAXIMUM Hardener	MXM32/M	500ml Tin	2 years	MAXIMUM Hardener	MXM32/25	2.5L Tin	2 years	MAXIMUM Hardener	MXMH/QT-AU	946ml Tin	2 years	MAXIMUM Slow Hardener	MXMSH/QT-AU	946ml 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	-
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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.



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U-POL Australia Pty Limited
55 Leland Street
NSW 2750 Penrith - Australia
T 02 4731 2655 - F 02 4731 2611
info@u-pol.com.au - www.u-pol.com

U-POL New Zealand Limited
c/o Lindsay & Associates
Unit H, 12 Amara Place, East
Tamaki
2013 Manukau City - New Zealand
T + 612 4731 2655 / 027 630 3691 -
F + 612 4731 2611
info@u-pol.co.nz - www.u-pol.com