



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

DOLPHIN GLAZE

FINE FINISHING FILLER

DESCRIPTION

A premium, technically advanced finishing glaze designed to eliminate pinholes and surface imperfections prior to painting. Its self-levelling formulation gives a smooth, ultra fine finish which requires minimal sanding.

- Pinhole resistant
- Excellent adhesion
- Easy to sand
- Self levelling

Typical Use Ideal for correcting minor imperfections such as pinholes, scratches and stonechips

Technical Data



Appearance	Turquoise liquid
Mixing Ratio	2%
Specific Gravity	1.20

STORAGE & VOC INFORMATION

Shelf Life



2 years from date of manufacture (which is printed on the label) in sealed original container.

Recommended Storage Temperature +5°C - +25°C

VOC Information



The EU limit for this product (product category: IIBb) in ready to use form is 250g/litre. The VOC content of this product as received is 259 g/litre. The VOC content of this product in ready to use form is <100 g/litre.

Order Code	Format	Colour
BAGDOL/1	440ml filler bag	Turquoise

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. 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.

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APPLICATION GUIDE

Tools Required



- Onion Board™
- U-POL Applicator
- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives
- S2004/AL Guide Coat
- MAXIMUM Premium Masks
- MAXIMUM Painters Overalls



Surface Preparation



	Bare Steel	Aluminium	Galvanised	Original Paint	Body Filler	GRP
	S2001,S2002	S2001,S2002	S2001,S2002	S2001,S2002		S2000
	P80	P180	P180	P180	P80-180	P180

- DOLPHIN GLAZE is multifunctional and has superb adhesion to all the substrates above
- For best results, good preparation is essential.
- Clean & degrease removing dirt, oil, grease and wax with a cleaning solution such as SYSTEM 20 degreasers.

Application



	Mixing Ratio	Gel Time	Time to Sand
10°C	3%	6-7'	20'
20°C	2%	4-5'	15-20'
30°C	1%	4'	15'

IR.	
Time	5 mins
Distance	80cm
Max. Temp.	80°C

- Do not over or under catalyze than specified.
- Mix thoroughly on a mixing board (Onion Board).
- Apply with a pressing action reducing air entrapment.
- Not recommended for applications below 5°C.

Sanding



Initial	P180
Final	P180-P240

U-POL recommends a Guide Coat (S2004) during the sanding process to identify the high and low spots

Over Painting



U-POL recommends a SYSTEM 20 Primer to achieve the perfect surface for the colour of your choice.



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

CLEAR#1

UV Resistant Clearcoat

DESCRIPTION

Advanced clearcoat that gives a excellent high gloss finish with UV resistance and durability. Ideal for spot repairs, wing mirror covers, door handles and mouldings

- Excellent flow and depth of gloss
- Easy to use and fast drying
- Compatible with solvent and water-based basecoats

TECHNICAL DATA



Substrates

- Previously painted surfaces

APPLICATION GUIDE



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Surface preparation and instructions for use

Thoroughly clean and degrease surfaces with Precleaner or panel prep. Abrade solid coloured coatings wet or dry with 800-1000 abrasive, re-clean, dry and degrease. If coating solvent-based basecoats apply CLEAR #1 within a period 20 minutes after application of the base coat.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface.

Build / microns 20μ

*Theoretical Coverage approx. m²/unit 3.5

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 5 - 10 mins



Drying Times

Handleable @ 20°C / min 30 mins

Hard Dry @ 20°C / min 60 mins



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

CLEAR#1

UV Resistant Clearcoat

STORAGE & VOC INFORMATION



Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



VOC Information

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is 680 g/litre.

Order Code	Format	Colour	VOC g/l
CLEAR/AL	450ml Aerosol	Clear	680

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DOLPHIN MEDIUM BODY FILLER - GREEN

DOLBF/MAU

Version: 2.0

Date of issue: 03/07/2018 Revision date: 07/01/2020 Supersedes: 03/07/2018



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

A premium, technically advanced filler for medium to deep panel damage. Its smooth, creamy formulation has superior filling properties and gives an ultra-fine finish with effortless sanding.

- Ultra fine finish.
- Excellent adhesion.
- Superb filling and build quality.
- Easy to sand and shape.

Typical Use

Ideal for medium and fine panel damage covering small to large area application.



APPLICATION GUIDE

Tools Required



Onion Board Mixing Palette, U-POL Applicator, SYSTEM 20 Degreasers, MAXIMUM Abrasives, GUIDE #7 Guide Coat Aerosol, MAXIMUM Premium Masks, MAXIMUM Painters Overalls

Surface Preparation



	Degreaser	Abrasion
Bare Steel	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P80
Aluminium	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P180
Galvanised	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P180
Original Paint	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P180
GRP	S2000 Water-Based Degreaser	P180

DOLPHIN MEDIUM BODY FILLER - GREEN is multifunctional and has superb adhesion to all the substrates above. 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.

Application



	10°C	20°C	30°C
Mixing ratio (BPO Hardener):	3%	2%	1%
Gel Time:	7 – 8 minutes	5 – 6 minutes	4 – 5 minutes
Sandable after:	20 minutes	15 – 20 minutes	15 minutes

Maximum Fill Depth	3 – 5 mm
Infrared Bake:	50 – 80 cm, 80 °C, 5 minutes

Follow mix ratio carefully. Do not under or over catalyse.

Mix thoroughly on an Onion Board Mixing Palette.

Apply with a pressing action to reduce air entrapment.

Not recommended for applications below 5°C.

Sanding



Initial Sanding	P80 - P120
Final Sanding	P180 - P240

U-POL recommends using GUIDE #7 Guide Coat Aerosol during the sanding process to identify the high and low spots.

A U-POL Finishing Filler such as DOLPHIN GLAZE can be used to fill imperfections such as pin holes and scratches prior to painting.

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DOLPHIN MEDIUM BODY FILLER - GREEN

DOLBF/MAU

Version: 2.0

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DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

Over-Painting



U-POL recommends a SYSTEM 20 Primer to achieve the perfect surface for the colour of your choice.

Physical properties



Appearance	Paste.
Colour	Green
Density	≈ 0.84 (0.82 – 0.86) g/cm ³

VOC Information



The VOC content of this product as received is 222 g/l. The VOC content of this product in ready to use form is 100 g/l.

Shelf Life and Storage



Order Code	Format	Shelf Life	Batch Coding System
DOLBF/MAU	3L Tin	4 years	C

- A** Date of manufacture, unique 5-digit batch code and expiry date printed on base of tin.
- B** Date of manufacture and/or 5-digit batch code printed on base of tin/adhesive label/adhesive label on kit box. e.g. 93822 = 2019, week 38, batch 22
- C** Date of manufacture and unique 5-digit batch code and printed on base of tin/adhesive label.
- D** Date of manufacture and unique 5-digit batch code printed on cartridge.
- E** Date of manufacture and unique 7-digit code printed on lid.
- F** Date of manufacture and unique 6-digit batch number printed on packaging.
- G** Date of manufacture and unique 4-digit batch code and printed on base of tin.
- H** Date of manufacture and batch number incorporated into 8-digit code e.g. 18071234 = (18) 2018, (07) July, batch number 1234
- I** Date of manufacture printed on tin.
- J** Date and time of manufacture printed on neck of aerosol.
- K** Date of manufacture and weight of sachet embossed on seal. e.g. 40G 110717
- L** Unique 5-digit batch code printed on packaging/adhesive label/embossed on seal. For the date of manufacture, please quote this code to technicalsupport@u-pol.com.
- M** Unique 5-digit batch number followed by weight printed on tube. e.g. 17149GR78 = batch number 17149GR, weight 78 g. For the date of manufacture, please quote this code to technicalsupport@u-pol.com.
- N** Date of filling and unique 7 digit batch code stamped on adhesive label.
- O** LOT number ending in a unique 5-digit code printed on sachet. For the date of manufacture, please quote this code to technicalsupport@u-pol.com.
- P** Date of aerosol manufacture and 5-digit aerosol base batch code printed on base of tin. e.g. 93822 = 2019, week 38, batch 22
- Q** Date of aerosol manufacture and unique 5-8 digit batch code printed on base of tin.

Recommended storage temperature 5 °C - 25 °C

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

For any other information please contact technicalsupport@u-pol.com for assistance.

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DRIVING SURFACE PERFECTION

LIGHTWEIGHT FILLER FOR MEDIUM DEPTH REPAIRS

GOLDLWF/M

Version: 3.0

Date of issue: 13/06/2018 Revision date: 07/01/2020 Supersedes: 14/10/2019



TECHNICAL DATASHEET

LITEWEIGHT GOLD FOR MEDIUM REPAIRS is a versatile, lightweight filler ideal for filling and shaping medium depth repairs over small to large surface areas. It provides an ultra smooth texture that's easy to spread and sands to a fine feather edge.

- Pinhole resistant.
- Non-sagging, even on vertical surfaces.
- Quick drying - solvent resistant in 15 minutes.
- Easy to sand, even days or weeks after curing.
- Non-porous formula will not shrink or pull back.

Typical Use

Ideal for filling and shaping medium panel damage.



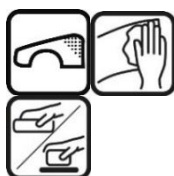
APPLICATION GUIDE

Tools Required



Onion Board Mixing Palette, U-POL Applicator, SYSTEM 20 Degreasers, MAXIMUM Abrasives, MAXIMUM Premium Masks, MAXIMUM Painters Overalls, GUIDE #7 Guide Coat Aerosol

Surface Preparation



	Degreaser	Abrasion
Bare Steel	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P80
Aluminium	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P180
Galvanised	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P180
Original Paint	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P180
Polyester Body Filler	S2001 Fast/S2002 Slow Solvent-Based Degreaser	P80 - P180
GRP	S2000 Water-Based Degreaser	P180

LIGHTWEIGHT FILLER FOR MEDIUM DEPTH REPAIRS is multifunctional and has superb adhesion to all the substrates above.

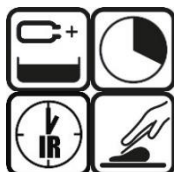
For best results, good preparation is essential.

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.

Application



	10°C	20°C	30°C
Mixing ratio (BPO Hardener):	3%	2%	1%
Gel Time:	6 – 7 minutes	4 – 6 minutes	4 – 5 minutes
Sandable after:	20 minutes	15 – 20 minutes	15 minutes

Maximum Fill Depth

3 – 5 mm

Infrared Bake:

50 – 80 cm, 80 °C, 5 minutes

Mix thoroughly on an Onion Board Mixing Palette.

Follow mix ratio carefully. Do not under or over catalyse.

Apply with a pressing action to reduce air entrapment.

Not recommended for applications below 5°C.

Sanding



Initial Sanding

P80 - P120

Final Sanding

P180 - P240

U-POL recommends using GUIDE #7 Guide Coat Aerosol during the sanding process to identify the high and low spots.

A U-POL Finishing Filler such as DOLPHIN GLAZE can be used to fill imperfections such as pin holes and scratches prior to painting.

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LIGHTWEIGHT FILLER FOR MEDIUM DEPTH REPAIRS

GOLDLWF/M

DRIVING SURFACE PERFECTION

Version: 3.0

Date of issue: 13/06/2018 Revision date: 07/01/2020 Supersedes: 14/10/2019



TECHNICAL DATASHEET

Over-Painting



U-POL recommends a SYSTEM 20 Primer to achieve the perfect surface for the colour of your choice.

TECHNICAL INFORMATION

Physical properties



Appearance	Paste.
Colour	Gold
Density	1.23 (1.2 – 1.26) g/cm ³
Viscosity, dynamic	90000 (80000 – 100000) cP

VOC Information



The VOC content of this product as received is 189 g/l. The VOC content of this product in ready to use form is 100 g/l.

Shelf Life and Storage



Order Code	Format	Shelf Life	Batch Coding System
GOLDLWF/M	3L Tin	4 years	C
A Date of manufacture, unique 5-digit batch code and expiry date printed on base of tin. B Date of manufacture and/or 5-digit batch code printed on base of tin/adhesive label/adhesive label on kit box. e.g. 93822 = 2019, week 38, batch 22 C Date of manufacture and unique 5-digit batch code and printed on base of tin/adhesive label. D Date of manufacture and unique 5-digit batch code printed on cartridge. E Date of manufacture and unique 7-digit code printed on lid. F Date of manufacture and unique 6-digit batch number printed on packaging. G Date of manufacture and unique 4-digit batch code and printed on base of tin. H Date of manufacture and batch number incorporated into 8-digit code e.g. 18071234 = (18) 2018, (07) July, batch number1234 I Date of manufacture printed on tin. J Date and time of manufacture printed on neck of aerosol. K Date of manufacture and weight of sachet embossed on seal. e.g. 40G 110717 L Unique 5-digit batch code printed on packaging/adhesive label/embossed on seal. For the date of manufacture, please quote this code to technicalsupport@u-pol.com. M Unique 5-digit batch number followed by weight printed on tube. e.g. 17149GR78 = batch number 17149GR, weight 78 g. For the date of manufacture, please quote this code to technicalsupport@u-pol.com. N Date of filling and unique 7 digit batch code stamped on adhesive label. O LOT number ending in a unique 5-digit code printed on sachet. For the date of manufacture, please quote this code to technicalsupport@u-pol.com. P Date of aerosol manufacture and 5-digit aerosol base batch code printed on base of tin. e.g. 93822 = 2019, week 38, batch 22 Q Date of aerosol manufacture and unique 5-8 digit batch code printed on base of tin.			

Recommended storage temperature 5 °C - 25 °C

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

For any other information please contact technicalsupport@u-pol.com for assistance.

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DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

GRAVITEX PLUS

HS STONE CHIP PROTECTOR

TECHNICAL DATA SHEET & PROCESS GUIDE

A hard, durable underbody coating that can be used to reproduce the manufacturers original stone chip protective finish. Sound and vibration dampening makes it ideal for use inside compartments and panels.

PROPERTIES

- Ready to use 1K formula
- High build formula covers weld marks and seams
- Protects against stone chips, salt, damp and rust

Available Colours

- Grey
- Black
- White

TECHNICAL DATA



Substrates

- Original Paint
- Bare steel
- For aluminium and galvanised surfaces an etch primer such as U-POL ACID#8 is recommended

Viscosity

3.75 - 4.25 poise

Specific gravity g/cm³

1.01 - 1.03

APPLICATION GUIDE



Tools Required

- Degreaser
- U-POL GUN/1
- Abrasives
- Painters Overalls



Substrate Preparation

To achieve best results, good preparation is essential. Degrease with U-POL Precleaner (S2000, S2001 or S2002). Abrade the surface:

Original cured paint: wet flat with P400

GRP, SMC, Glass fibre, Polyester Filler: dry flat with P180.

Before applying primer, clean lightly once more with SYSTEM 20 Degreasers and dry thoroughly.



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

GRAVITEX PLUS

HS STONE CHIP PROTECTOR

TECHNICAL DATA SHEET & PROCESS GUIDE



Viscosity Poise

Working Pot-Life @ 20°C

3.75 - 4.25 poise

n/a



U-POL GUN/1

Gun tip size

n/a

Air Pressure at the gun

3 - 5 bar

The product is supplied ready for use.
Equipment can be cleaned with standard solvent based gun cleaner or thinner.



Coats

Build / microns

1 - 2 coats

approx 100 - 150 per coat



Flash-off @ 20°C

Between coats

10 - 15 mins



Drying Times

overcoat time@ 20°C

4 - 6 hours depending on film build and ambient temperature



Over Painting

GRAVITEX can be overpainted with most paint systems. For optimum gloss and durability the use of a primer is recommended.



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

GRAVITEX PLUS

HS STONE CHIP PROTECTOR

TECHNICAL DATA SHEET & PROCESS GUIDE

STORAGE & VOC INFORMATION



Shelf Life

2 years from date of manufacture in sealed original containers.

Recommended Storage Temperature 5°C - 25°C

Equipment Cleaning Equipment can be cleaned with standard solvent based thinner.

VOC Information



The EU limit for this product (product category: IIBe) in ready to use form is 840g/litre.

The VOC content of this product in ready to use form is 430g/litre

Order Code	Format	Colour
GRA/NB1	1L Bottle	BLACK
GRA/GG1	1L Bottle	GREY
GRA/BW1	1L Bottle	WHITE

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DRIVING SURFACE PERFECTION™
TECHNICAL DATA SHEET
Version: 2.0

GUARD#10

GRAVI-GARD STONE CHIP PROTECTOR AEROSOL

DESCRIPTION

A textured, durable coating to protect against stone chips, salt, damp and rust. Supplied with two nozzles for either a fine or coarse finish

- Sound dampening - ideal for body panels and inside engine compartments
- Fast drying and can be overpainted
- High build formulation covers weld marks and seams

TECHNICAL DATA



Substrates

- Direct to bare metal*
- SMC
- Lightly abraded E coat
- Galvanised* and Aluminium*
- Prepared OEM pain surfaces
- Fibreglass

APPLICATION GUIDE



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation And Instructions For Use

For best results, ensure the surface is thoroughly cleaned, degreased, dried and dust free.

* For optimum results on bare metal, galvanised steel and aluminium surfaces, apply after sanding with 180-240 grit sandpaper, 1-2 light even coats of **ACID#8 Acid Etch Primer Aerosol** and allow 30 minutes drying time before applying **GUARD#10**.

It is not recommended to use **GUARD#10 with thermoplastic acrylics.*



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface or 40 cm with red button. Applying more than 2 coats increases dry time.

Build / microns 50μ

*Theoretical Coverage approx. m²/unit 4

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 10 - 15 mins



DRIVING SURFACE PERFECTION™
TECHNICAL DATA SHEET
Version: 2.0

GUARD#10

GRAVI-GARD STONE CHIP PROTECTOR AEROSOL



Drying Times

Drying time @ 20°C / min

3 - 4 hours



Over Painting

GUARD#10 may be over-painted with most paint systems. With 2 pack acrylic paints it can be over-painted wet-on-wet. For optimum gloss the use of a primer is recommended.

STORAGE & VOC INFORMATION



Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



VOC Information

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is 600 g/litre.

Order Code	Format	Colour	VOC g/l
GUARD/AL	450ml Aerosol	Black	600

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DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

Guide#7

Dry Guide Coat

DESCRIPTION

A highly effective dry powder guide coat that highlights and identifies surface imperfections when sanding filler or primers

- Does not clog or block abrasives
- Suitable for dry or wet sanding
- Dries instantly

TECHNICAL DATA



Mixing

Shake the aerosol can for at least 2 minutes before use.

Spray directly onto the cured bodyfiller or primer, GUIDE#7 dries in seconds, sand to required finish. Any low spots will show as black.

STORAGE & VOC INFORMATION



Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



VOC Information

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is 680 g/litre.

Order Code	Format	Colour	VOC g/l
GUIDE/AL	450ml Aerosol	Black	680

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DRIVING SURFACE PERFECTION™

MICF/200

MicroFill Pinhole Eliminator and Sealer



DESCRIPTION

A wipe-on pinhole eliminator and sealer for use over filled surfaces prior to priming to help reduce re-work. It Eliminates micro pinholes and scratches after sanding and seals the filled repair surface reducing primer consumption by up to 30%. It also contains an adhesion promoter which improves adhesion between the surface and primer. The 1K paste dries within 15 minutes and is ready for painting with no sanding required.

FEATURES

- Reduces primer consumption by up to 30%
- Reduces re-work
- Promotes adhesion between surface and primer
- Easy to use 1K paste
- Ready to overpaint in 15 mins (@ 20°C)
- Free from microplastics

TECHNICAL DATA SHEET

MICF/200

MicroFill Pinhole Eliminator and Sealer

Product preparation - application Surface conditioner

Tools Required



- Lint free cloth
- System 20 Degreaser

Surface Preparation



	Body Filler	Plastics*				
	S2001 / S2002	S2001 / S2002				
	P180> as per product TDS	P180>				

For best results, good preparation is essential: Abrade surface, then clean and degrease removing dirt, oil, grease and wax with a degreaser such as U-POL SYSTEM 20 Degreaser.

* Flexible bumper plastics - Thermoplastic Polyolefin (TPO, PP and PP+EPDM)

Application



- Abrade surface and then clean and degrease to remove any dust, dirt, grease and wax using a suitable degreaser such as U-POL System 20 Degreaser.
- Apply a small amount of MicroFill onto the surface to be treated.
- Use a lint free cloth to work into the surface - apply more as necessary.
- Use a clean lint free cloth to remove any excess and buff up the surface.
- When applied properly MicroFill will leave a fine film over the repair area.
- Replace lid after use to prevent drying out.



- Allow to dry for 15-minutes and then prime in accordance with paint manufacturers' recommendations.

- Note: Large pinholes should be filled with a glazing putty such as U-POL Dolphin Glaze or Dolphin Speed Glaze.



- When using waterborne primers, allow to dry for 20-minutes. Sand with P320 or finer, then apply primer as per manufacturers' instructions.

VOC compliant

2004/42/II B(c) (540) 540: The EU limit value for this product (product category: IIB(c)) in ready to use form is maximum 540 g/l of VOC. The VOC content of this product in ready to use form is maximum 540 g/l.

TECHNICAL DATA SHEET

MICF/200

MicroFill Pinhole Eliminator and Sealer

Products

	U-POL MicroFill
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Waste treatment	Dispose of contents / container to approved disposal companies or municipal collection points. Do not empty into drains.
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Remarks

- Large pinholes should be filled with a glazing putty such as U-POL Dolphin Glaze.
- Recommended storage temperature at 5°C to 25°C.
- At high temperature product may become liquid. This does not affect performance.

Shelf Life	2 years

Consult Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.

All other products referred to in the refinish build up are from our brand product range. System properties will not be valid when the related material is used in combination with any other materials or additives which are not part of our brand product range, unless explicitly indicated otherwise.

For professional use only! The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check the information with regard to up-to-dateness and suitability for his intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved. The relevant Material Safety Data Sheet and Warnings displayed on the product label need to be observed. We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

PLAST-X #4F / #4C

Texture Coating

DESCRIPTION

- Easy to use and flexible
- Use to create original textured finish on plastic components
- Can be topcoated in 15 minutes

TECHNICAL DATA



Substrates

- PLAST-X #3 and #3HB

APPLICATION GUIDE



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation And Instructions For Use

U-POL PLAST-X 4 can be applied using the preparation procedure shown below:-
Thoroughly clean and degrease surfaces with U-POL PLAST-X 1 aerosol plastic cleaner. Abrade primed surfaces wet with 600-800 or dry with 400-600 abrasive, re-clean, dry and degrease.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

For U-POL PLAST-X 4 FINE: apply 2 mist coats at a distance of approx.30cm.

For U-POL PLAST-X 5 COARSE: apply 2 mist coats at a distance of approx.80cm.

Allow 3 – 5 minutes between coats.

As a variety of textures can be achieved by varying distance and spraying speed we would advice spraying a test card before final application.



Flash-off / min @ 20°C

between coats

3 -5 mins



Drying Times

Dust free @ 20°C / min

10 - 15 mins



Over Painting

This product can be topcoated using the U-POL PLAST-X 5 colour range or any other suitable automotive topcoat.



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

PLAST-X #4F / #4C

Texture Coating

STORAGE & VOC INFORMATION



Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



VOC Information

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is detailed in the table below.

Order Code	Format	Colour	VOC g/l
PLAS/4C	400ml Aerosol	Black Coarse	585
PLAS/4F	400ml Aerosol	Black Fine	635

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PLAST X

DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

HIGHLY FLEXIBLE POLYESTER FILLER FOR PLASTICS

DESCRIPTION

PLAST X polyester filler has been specially formulated using premium resin systems offering high adhesion and flexibility to most plastic components.

- Smooth and easy to apply and shape
- Easy sanding and excellent feather edge performance
- Quick and easy to sand

Typical Use Ideal for scuffs and scratches on plastic parts requiring optimum adhesion and full flexibility

Technical Data



Appearance	Black
Mixing Ratio	2% by weight
Specific Gravity	1.91

STORAGE & VOC INFORMATION

Shelf Life



2 years from date of manufacture (which is printed on the base of the tin) in sealed original container.

Recommended Storage Temperature +5°C - +25°C

VOC Information



The EU limit for this product (product category: IIBb) in ready to use form is 250g/litre. The VOC content of this product as received is 233 g/litre. The VOC content of this product in ready to use form is <100 g/litre.

Order Code	Format	Colour
PLAS/6	600ml tin	Black

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APPLICATION GUIDE

Tools Required



- Onion Board™
- U-POL Applicator
- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives
- S2004/AL Guide Coat
- MAXIMUM Premium Masks
- MAXIMUM Painters Overalls



Surface Preparation



	PP	EPDM	EPDM/PP	TPO	ABS
	S2000 / PLAS 1	S2000 / PLAS 1	S2000 / PLAS 1	S2000 / PLAS 1	S2000 / PLAS 1
	P120	P120	P120	P120	P120
	PLAS 2	PLAS 2	PLAS 2	PLAS 2	PLAS 2

- PLASTX 6 is multifunctional and has superb adhesion to all the substrates above
- For best results, good preparation is essential.
- Clean & degrease removing dirt, oil, grease and wax with a cleaning solution such as SYSTEM 20 degreasers.

Application



	 Mixing Ratio	 Gel Time	 Time to Sand
10°C	3%	5-6'	30'
20°C	2%	5-6'	30'
30°C	1%	4-5'	30'

- Do not over or under catalyse than specified.
- Mix thoroughly on a mixing board (Onion Board).
- Apply with a pressing action reducing air entrapment.
- Not recommended for applications below 5°C.

Sanding



Initial	P120-P180
Final	P180-P240

U-POL recommends a Guide Coat (S2004) during the sanding process to identify the high and low spots

Over Painting



U-POL recommends a SYSTEM 20 Primer to achieve the perfect surface for the colour of your choice.



DRIVING SURFACE PERFECTION
TECHNICAL DATA SHEET

TRIM#11

High Build Topcoat

DESCRIPTION

A high build topcoat to restore the original appearance of trim and area's around windows, doors, handles, outside of mirrors, bumpers and alloy wheels.

- Suitable for use over existing paint surfaces
- Fast drying, clog free formulation
- High opacity

TECHNICAL DATA AND APPLICATION GUIDE



Substrates

- Lightly abraded E coat
- Prepared OEM painted surfaces



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation

For best results, ensure the surface is thoroughly cleaned, degreased, dried and dust free. Abrade primed surfaces wet or dry with 400-600, degrease and dry. For optimum results on bare metal, galvanised steel and aluminium surfaces, apply 1-2 light even coats of ACID#8 Etch-Primer, allowing 10 - 20 minutes drying time before priming.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface.

Build / microns 15μ

*Theoretical Coverage approx. m²/unit 4.5

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 3 - 5 mins



Drying Times

Dust free @ 20°C / min 20 - 30 minutes

STORAGE & VOC INFORMATION

Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET



VOC Information

TRIM#11

High Build Topcoat

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is as per the table below.

Order Code	Format	Colour	VOC g/l
TRIMGB/AL	450ml Aerosol	Gloss Black	655
TRIMMB/AL	450ml Aerosol	Matt Black	655
TRIMSB/AL	450ml Aerosol	Satin Black	650
TRIMGW/AL	450ml Aerosol	Gloss White	630
TRIMSL/AL	450ml Aerosol	Silver Wheels	655
TRIMST/AL	450ml Aerosol	Steel Wheels	655

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DRIVING SURFACE PERFECTION
TECHNICAL DATA SHEET

TRIM#11

High Build Topcoat

DESCRIPTION

A high build topcoat to restore the original appearance of trim and area's around windows, doors, handles, outside of mirrors, bumpers and alloy wheels.

- Suitable for use over existing paint surfaces
- Fast drying, clog free formulation
- High opacity

TECHNICAL DATA AND APPLICATION GUIDE



Substrates

- Lightly abraded E coat
- Prepared OEM painted surfaces



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation

For best results, ensure the surface is thoroughly cleaned, degreased, dried and dust free. Abrade primed surfaces wet or dry with 400-600, degrease and dry. For optimum results on bare metal, galvanised steel and aluminium surfaces, apply 1-2 light even coats of ACID#8 Etch-Primer, allowing 10 - 20 minutes drying time before priming.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface.

Build / microns 15μ

*Theoretical Coverage approx. m²/unit 4.5

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 3 - 5 mins



Drying Times

Dust free @ 20°C / min 20 - 30 minutes

STORAGE & VOC INFORMATION

Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET



VOC Information

TRIM#11

High Build Topcoat

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is as per the table below.

Order Code	Format	Colour	VOC g/l
TRIMGB/AL	450ml Aerosol	Gloss Black	655
TRIMMB/AL	450ml Aerosol	Matt Black	655
TRIMSB/AL	450ml Aerosol	Satin Black	650
TRIMGW/AL	450ml Aerosol	Gloss White	630
TRIMSL/AL	450ml Aerosol	Silver Wheels	655
TRIMST/AL	450ml Aerosol	Steel Wheels	655

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DRIVING SURFACE PERFECTION
TECHNICAL DATA SHEET

TRIM#11

High Build Topcoat

DESCRIPTION

A high build topcoat to restore the original appearance of trim and area's around windows, doors, handles, outside of mirrors, bumpers and alloy wheels.

- Suitable for use over existing paint surfaces
- Fast drying, clog free formulation
- High opacity

TECHNICAL DATA AND APPLICATION GUIDE



Substrates

- Lightly abraded E coat
- Prepared OEM painted surfaces



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation

For best results, ensure the surface is thoroughly cleaned, degreased, dried and dust free. Abrade primed surfaces wet or dry with 400-600, degrease and dry. For optimum results on bare metal, galvanised steel and aluminium surfaces, apply 1-2 light even coats of ACID#8 Etch-Primer, allowing 10 - 20 minutes drying time before priming.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface.

Build / microns 15μ

*Theoretical Coverage approx. m²/unit 4.5

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 3 - 5 mins



Drying Times

Dust free @ 20°C / min 20 - 30 minutes

STORAGE & VOC INFORMATION

Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET



VOC Information

TRIM#11

High Build Topcoat

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is as per the table below.

Order Code	Format	Colour	VOC g/l
TRIMGB/AL	450ml Aerosol	Gloss Black	655
TRIMMB/AL	450ml Aerosol	Matt Black	655
TRIMSB/AL	450ml Aerosol	Satin Black	650
TRIMGW/AL	450ml Aerosol	Gloss White	630
TRIMSL/AL	450ml Aerosol	Silver Wheels	655
TRIMST/AL	450ml Aerosol	Steel Wheels	655

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DRIVING SURFACE PERFECTION
TECHNICAL DATA SHEET

TRIM#11

High Build Topcoat

DESCRIPTION

A high build topcoat to restore the original appearance of trim and area's around windows, doors, handles, outside of mirrors, bumpers and alloy wheels.

- Suitable for use over existing paint surfaces
- Fast drying, clog free formulation
- High opacity

TECHNICAL DATA AND APPLICATION GUIDE



Substrates

- Lightly abraded E coat
- Prepared OEM painted surfaces



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation

For best results, ensure the surface is thoroughly cleaned, degreased, dried and dust free. Abrade primed surfaces wet or dry with 400-600, degrease and dry. For optimum results on bare metal, galvanised steel and aluminium surfaces, apply 1-2 light even coats of ACID#8 Etch-Primer, allowing 10 - 20 minutes drying time before priming.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface.

Build / microns 15μ

*Theoretical Coverage approx. m²/unit 4.5

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 3 - 5 mins



Drying Times

Dust free @ 20°C / min 20 - 30 minutes

STORAGE & VOC INFORMATION

Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET



VOC Information

TRIM#11

High Build Topcoat

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is as per the table below.

Order Code	Format	Colour	VOC g/l
TRIMGB/AL	450ml Aerosol	Gloss Black	655
TRIMMB/AL	450ml Aerosol	Matt Black	655
TRIMSB/AL	450ml Aerosol	Satin Black	650
TRIMGW/AL	450ml Aerosol	Gloss White	630
TRIMSL/AL	450ml Aerosol	Silver Wheels	655
TRIMST/AL	450ml Aerosol	Steel Wheels	655

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DRIVING SURFACE PERFECTION

TECHNICAL DATA SHEET

WELD#2

Weld Through Primer

DESCRIPTION

A high adhesion, super conductive primer offering excellent rust protection when applied to panels prior to SPOT, MIG and TIG welding.

- Fast drying - speeds up the welding process
- High concentration of zinc or copper in the dry film
- Corrosion resistant

TECHNICAL DATA



Substrates

- Direct to metal
- Galvanised
- Aluminium

APPLICATION GUIDE



Tools Required

- SYSTEM 20™ Degreaser
- MAXIMUM Abrasives



Substrate Preparation

For best results, ensure the surface is thoroughly cleaned, degreased, dried and dust free. Abrade wet or dry with 180-240, degrease and dry.



Mixing

Shake the aerosol can for at least 2 minutes before use.



Coats

1 - 2 coats at a distance of approx. 25 cm from the surface.

Build / microns 10μ

*Theoretical Coverage approx. m²/unit 5

**Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*



Flash-off / min @ 20°C

between coats 5 - 10 mins



Drying Times

Weldable @ 20°C 10 - 20 mins



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STORAGE & VOC INFORMATION



Shelf Life

2 years subject to good storage conditions.

Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature 20°C



VOC Information

The EU limit for this product (product category: IIB.e) in ready to use form is 840g/litre. The VOC content of this product in ready to use form is as outlined in the table below.

Order Code	Format	Colour	VOC g/l
WELD/AL	450ml Aerosol	Zinc	730
WELDC/AL	450ml Aerosol	Copper	695

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. 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.

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