



DOLPHIN PUTTY

UP0658

Version: 2.0 Date of issue: 10/03/2017 Revision date: 15/10/2019 Supersedes: 10/03/2017




DRIVING SURFACE PERFECTION






TECHNICAL DATASHEET

Dolphin Flexible Glazing Putty is a dual application premium finishing putty for filling dents and imperfections on both plastic and metal substrates, like bare metal, aluminum and galvanized steel. This formulation features sophisticated lightweight technology offering excellent filling properties combined with smooth application and effortless sanding.

- Flexible, pinhole resistant formulation.
- Effortless sanding, whether it's a day or a week later.
- Non-porous formula will not shrink or pull back.
- Quick drying - solvent impervious and ready to sand, prime or paint in 20 mins.
- Unparalleled adhesion to most automotive substrates including bare steel, aluminum and galvanized.

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

Application Guide

Tools Required 	<i>Onion Board Mixing Palette (UP0737), Bodyfiller Applicator (UP0738), U-POL System 20 Degreaser (UP2002, UP2012, UP2022), MAXIMUM Abrasives, MAXIMUM Premium Masks, MAXIMUM Painters Overalls, GUIDE #7 Guide Coat Aerosol.</i>																							
Surface Preparation 	<table border="1"> <thead> <tr> <th></th> <th>Degreaser</th> <th>Abrasion</th> </tr> </thead> <tbody> <tr> <td>Bare Steel</td> <td>UP2012 Fast/UP2022 Slow Solvent-Based Degreaser</td> <td>P80</td> </tr> <tr> <td>Aluminum</td> <td>UP2012 Fast/UP2022 Slow Solvent-Based Degreaser</td> <td>P180</td> </tr> <tr> <td>Galvanised</td> <td>UP2012 Fast/UP2022 Slow Solvent-Based Degreaser</td> <td>P180</td> </tr> <tr> <td>Original Paint</td> <td>UP2012 Fast/UP2022 Slow Solvent-Based Degreaser</td> <td>P180</td> </tr> <tr> <td>Polyester Body Filler</td> <td>UP2012 Fast/UP2022 Slow Solvent-Based Degreaser</td> <td>P80 - P180</td> </tr> <tr> <td>Fiberglass</td> <td>UP2002 Water-Based Degreaser</td> <td>P180</td> </tr> </tbody> </table> <p><i>DOLPHIN PUTTY 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 with a cleaning solution, like U-POL SYSTEM 20 Solvent Based Degreaser (UP2012, UP2022) or Water Based Degreaser (UP2002) (please check local VOC regulations). Abrade with grit paper as stated above for each respective substrate. Re-clean, dry and degrease the abraded substrate ready for application.</i></p>		Degreaser	Abrasion	Bare Steel	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P80	Aluminum	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P180	Galvanised	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P180	Original Paint	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P180	Polyester Body Filler	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P80 - P180	Fiberglass	UP2002 Water-Based Degreaser	P180		
	Degreaser	Abrasion																						
Bare Steel	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P80																						
Aluminum	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P180																						
Galvanised	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P180																						
Original Paint	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P180																						
Polyester Body Filler	UP2012 Fast/UP2022 Slow Solvent-Based Degreaser	P80 - P180																						
Fiberglass	UP2002 Water-Based Degreaser	P180																						
Application 	<table border="1"> <thead> <tr> <th></th> <th>50°F</th> <th>70°F</th> <th>85°F</th> </tr> </thead> <tbody> <tr> <td>Mixing ratio (BPO Hardener):</td> <td>3%</td> <td>2%</td> <td>1%</td> </tr> <tr> <td>Gel Time:</td> <td>6 - 7 minutes</td> <td>4 - 5 minutes</td> <td>4 minutes</td> </tr> <tr> <td>Sandable after:</td> <td>20 minutes</td> <td>15 - 20 minutes</td> <td>15 minutes</td> </tr> </tbody> </table> <p>Maximum Fill Depth 1 - 2 mm</p> <p><i>Mix thoroughly on an Onion Board Mixing Palette. Follow mix ratio carefully. Do not under or over catalyze. Apply with a pressing action to reduce air entrapment. Not recommended for applications below 40°F</i></p>		50°F	70°F	85°F	Mixing ratio (BPO Hardener):	3%	2%	1%	Gel Time:	6 - 7 minutes	4 - 5 minutes	4 minutes	Sandable after:	20 minutes	15 - 20 minutes	15 minutes							
	50°F	70°F	85°F																					
Mixing ratio (BPO Hardener):	3%	2%	1%																					
Gel Time:	6 - 7 minutes	4 - 5 minutes	4 minutes																					
Sandable after:	20 minutes	15 - 20 minutes	15 minutes																					
Sanding 	<table border="1"> <tbody> <tr> <td>Initial Sanding</td> <td>P180</td> </tr> <tr> <td>Final Sanding</td> <td>P180 - P240</td> </tr> </tbody> </table> <p><i>A U-POL Finishing Filler such as DOLPHIN GLAZE can be used to fill imperfections such as pin holes and scratches prior to painting. U-POL recommends using GUIDE #7 Guide Coat Aerosol during the sanding process to identify the high and low spots.</i></p>	Initial Sanding	P180	Final Sanding	P180 - P240																			
Initial Sanding	P180																							
Final Sanding	P180 - P240																							
Over-Painting 	U-POL recommends a SYSTEM 20 Primer to achieve the perfect surface for the colour of your choice.																							

Technical information

U-POL US, Inc.
108 Commerce Way
Stockertown, PA 18083
WWW.U-POL.COM

US Sales
T: (610) 746 7081
F: (610) 743 8654
sales-us@u-pol.com

International
T: +44 (0)20 8492 5900
F: +44 (0)20 8150 5605
sales@u-pol.com

Technical
T: +44 (0)1933 230 310
F: +44 (0)1933 425 797
technicalsupport@u-pol.com



DOLPHIN PUTTY




UP0658

Version: 2.0 Date of issue: 10/03/2017 Revision date: 15/10/2019 Supersedes: 10/03/2017



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

Physical properties 	Appearance Viscous, Liquid. Color Beige Specific gravity / density ≈ 1.35 (1.34 - 1.36) g/cm ³ Viscosity 45000 (40000 - 50000) cP								
VOC Information 	As Packaged Regulatory VOC 307 g/l (2.56 lb/gal) As Packaged Actual VOC 307 g/l (2.56 lb/gal) As Applied Regulatory VOC 49 g/l (0.41 lb/gal) As Applied Actual VOC 49 g/l (0.41 lb/gal) Percent Solids 79.63 wt% Volatiles 20.4 wt% Water Content 0 wt% Exempt Compounds by weight 0 wt% Exempt Compounds by volume 0 vol % % HAPS 33.08 wt%								
Shelf Life & Storage 	<table border="1"> <thead> <tr> <th>Order Code</th> <th>Format</th> <th>Shelf Life</th> <th>Batch Coding System</th> </tr> </thead> <tbody> <tr> <td>UP0658</td> <td>615ml Bottle</td> <td>2 years</td> <td>C</td> </tr> </tbody> </table> <p> 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. </p> <p> Recommended storage temperature 40 °F - 75 °F Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. </p>	Order Code	Format	Shelf Life	Batch Coding System	UP0658	615ml Bottle	2 years	C
Order Code	Format	Shelf Life	Batch Coding System						
UP0658	615ml Bottle	2 years	C						

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.