



SMC BONDING FILLER - BLACK

UP0777

Version: 7.0 Date of issue: 01/01/2008 Revision date: 15/10/2019 Supersedes: 01/01/2008



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

High adhesion bonding paste and filling compound specifically designed for rapid repair of cracks, holes and scratches in SMC, fiberglass, composite and other rigid materials. Ideal for the repair of cars, trucks, recreational vehicles, rail vehicles, marine craft and shipping containers.

- High adhesion easy sand fiber filler.
- Carbon fiber reinforced formula gives structural strength to a repair.
- Sand and coat to restore original finish.

Typical Use

Ideal for filling and shaping medium to deep panel damage.



Application Guide

Tools Required



Onion Board Mixing Palette (UP0737), Bodyfiller Applicator (UP0738), U-POL System 20 Degreaser (UP2002, UP2012, UP2022), MAXIMUM Premium Masks, MAXIMUM Painters Overalls, MAXIMUM Abrasives, GUIDE #7 Guide Coat Aerosol.

Surface Preparation



	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
Fiberglass	UP2002 Water-Based Degreaser	P180

SMC BONDING FILLER - BLACK 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.

Application



	50°F	70°F	85°F
Mixing ratio (BPO Hardener):	3%	2%	1%
Gel Time:	7 - 8 minutes	4 - 6 minutes	4 - 5 minutes
Sandable after:	20 minutes	15 - 20 minutes	15 minutes
Maximum Fill Depth	4 - 7 mm		

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

Sanding



Initial Sanding	P80 - P120
Final Sanding	P180 - P240

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.

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	Fibrous, Paste.
Color	Black
Specific gravity / density	≈ 1.66 (1.64 - 1.68) g/cm ³

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VOC Information



As Packaged Regulatory VOC	194 g/l (1.61 lb/gal)
As Packaged Actual VOC	194 g/l (1.61 lb/gal)
As Applied Regulatory VOC	41 g/l (0.34 lb/gal)
As Applied Actual VOC	41 g/l (0.34 lb/gal)
Percent Solids	89.43 wt%
Volatiles	10.6 wt%
Water Content	0 wt%
Exempt Compounds by weight	0 wt%
Exempt Compounds by volume	0 vol %
% HAPS	10.37 wt%

Shelf Life & Storage



Order Code	Format	Shelf Life	Batch Coding System
UP0777	1.1L 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 40 °F - 75 °F
 Store locked up. Store in a well-ventilated place. Keep cool. Keep only in original container.

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.