



SMC CARBON FIBRE REINFORCED FILLER - BLACK

SMCB/2

Version: 3.1

Date of issue: 23/06/2018 Revision date: 22/03/2020 Supersedes: 07/01/2020



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

High adhesion bonding paste and filling compound specifically designed to repair cracks, holes and scratches in SMC, fibreglass, composite and other rigid materials. Ideal for filling and shaping medium to deep panel damage.

- Reinforced with carbon fibre for structural strength.
- Easy to sand to a fine finish.

Product	Order Code	Format	Shelf Life
SMC CARBON FIBRE REINFORCED FILLER - BLACK	SMCB/2	1.1L Tin	5 years

APPLICATION INFORMATION



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.



Surface Preparation



Substrate

Bare Steel
Aluminium
Galvanised
Original Paint
Fibreglass / GRP, SMC
Polyester Body Filler

Degreaser

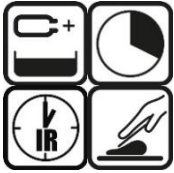
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Water-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser

Abrasion

P80
P180
P180
P180
P180
P80 - P180

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	4 – 6 minutes	4 – 5 minutes
Sandable after	20 minutes	15 – 20 minutes	15 minutes
Maximum Fill Depth	4 - 7 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
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



Once sanded, this formulation can be overpainted with most water/solvent-based paint systems.
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.
Colour Black
Density 1.66 (1.64 – 1.68) g/cm³

VOC Information



The VOC content of this product as received is 176 g/l. The VOC content of this product in ready to use form is 100 g/l.

Storage



Recommended storage temperature < 25 °C
Keep cool. Protect from sunlight. Keep away from ignition sources. Store locked up. Store in a well-ventilated place. Keep only in original container.

Associated Products



Product	Order Code	Format
Onion Board Mixing Palette	ON/1	100-sheets
U-POL Applicator	APL/1	20-pack
U-POL Applicator	APL/3	3-pack
SYSTEM 20 Water-Based Degreaser	S2000/5	5L Canister
SYSTEM 20 Solvent-Based Fast Degreaser	S2001/5	5L Tin
SYSTEM 20 Solvent-Based Slow Degreaser	S2002/1	1L Tin



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SYSTEM 20 Solvent-Based Slow Degreaser	S2002/5	5L Tin
WIPE #6 Solvent-Based Degreaser Aerosol	WIPE/AL	450ml Aerosol
GUIDE #7 Guide Coat Aerosol	GUIDE/AL	450ml Aerosol
DOLPHIN Glaze	BAGDOL/1	880ml Bottle
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

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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