



# ISOPON FASTGLAS GLASS FIBRE KIT

GL/LA/D, GL/SM/D

Version: 1.0

Date of issue: 01/04/2021 Revision date:



DRIVING SURFACE PERFECTION

## TECHNICAL DATASHEET

The ISOPON FASTGLAS Repair Kit contains everything you need to make a tough, permanent, glass fibre-reinforced repair to all kinds of objects. Simply activate the resin and wet the mat to form a tough glass fibre reinforced plastic. This bonds to most materials and dries in 20-30 minutes retaining its shape.

- Forms a tough, lightweight, weatherproof repair.
- Quick and easy to use.
- Versatile - repair, construct or mould.
- Repair holes, splits and cracks in all kinds of objects around the home and garden.

Product	Order Code	Format	Shelf Life
ISOPON FASTGLAS GLASS FIBRE KIT	GL/LA/D	1 x 500ml Tin 1 x 20g BPO Sachet 2 x Fibreglass Mat 25x110cm 2 x Mixing Sticks 1 x Measuring Cup 1 x Brush	5 years
ISOPON FASTGLAS GLASS FIBRE KIT	GL/SM/D	1 x 250ml Tin 1 x 10g BPO Sachet 1 x Fibreglass Mat 25x110cm 2 x Mixing Sticks 1 x Measuring Cup 1 x Brush	5 years

## APPLICATION INFORMATION



FOR PPE RECOMMENDATIONS REFER TO SDS

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	Degreaser	Abrasion
Bare Steel	SYSTEM 20 Solvent/Water-Based Degreaser	P80
Aluminium	SYSTEM 20 Solvent/Water-Based Degreaser	P180
Galvanised	SYSTEM 20 Solvent/Water-Based Degreaser	P180
Bricks	Not required	Not required
Stone	Not required	Not required
Wood	Not required	P80
Ceramic	SYSTEM 20 Solvent/Water-Based Degreaser	P80
Rigid plastic materials	SYSTEM 20 Water-Based Degreaser	P180
Fibreglass / GRP, SMC	SYSTEM 20 Water-Based Degreaser	P180

For best results, good preparation is essential. All surfaces must be clean and dry prior to application, and any rust or loose material removed. Degrease surfaces before and after preparation. Application is not recommended over plastics such as cellophane, polypropylene, polyethylene and polystyrene. This product should NOT be used inside refrigerators, fridges, food containers or drinking water tanks. For aquatic pond repairs, it is recommended that the repair is allowed to dry for a minimum of 24 hours and the repair surface thoroughly cleaned with a detergent and rinsed to remove any residual chemicals.

### Application



	10°C	20°C	30°C
<b>Mixing ratio (BPO Hardener)</b>		3%	
<b>Gel Time</b>		5 – 6 minutes	
<b>Sandable after</b>		20 minutes	
<b>Infrared Bake</b>	Resin technology unsuitable for IR baking.		
Cut the fibreglass mat to the desired shape and size. When repairing holes allow at least 25mm larger than hole. Measure out resin into beaker supplied and add hardener at a ratio of 1 pea-size hardener per 10ml (two teaspoons) of resin. Mix two components thoroughly. Mix until no streaks of hardener are visible. The resin is now activated and should be used within 5 minutes. Using the brush provided, apply an even coat of the activated resin and then carefully apply a layer of the fibreglass mat. Apply a layer of activated resin onto the fibreglass mat and then work the activated resin into the fibreglass mat until saturated. PLEASE NOTE: do not return activated resin to the original container. Clean all equipment with acetone immediately after use. Further layers may be added as necessary to achieve desired thickness. PLEASE NOTE: the activated resin will get warm. Allow to cool before applying further layers. Allow to dry for a minimum of 20 minutes. To achieve a smooth finish the FASTGLAS Glass Fibre Kit can be finished with ISOPON P.38 MULTI-PURPOSE BODY FILLER as necessary.			
Not recommended for applications below 5°C.			

### Sanding

<b>Initial Sanding</b>	P80 - P120
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### Final Sanding

P180 - P240

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.

## TECHNICAL INFORMATION

### Physical properties



<b>Appearance</b>	Liquid.
<b>Colour</b>	dark yellow
<b>Density</b>	1.09 g/cm <sup>3</sup>

### VOC Information



**VOC Category (2004/42/CE)** Bodyfiller/Stopper, product category IIB(b), max. limit 250 g/l

The VOC content of this product as received is 345 g/l. The VOC content of this product in ready to use form is 100 g/l.

### Storage



**Recommended storage temperature** < 25 °C

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

### Associated Products



Product	Order Code	Format
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
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
ISOPON Glass Fibre Mat	GFM	0.55 m <sup>2</sup> mat
ISOPON Glass Fibre Tissue	GFT	1 m <sup>2</sup> mat
ISOPON BPO Hardener	H3840/S	20 x 20g Sachet
ISOPON Fastglas Resin	RE/SM	250ml Tin
ISOPON Fastglas Resin	RE/LA	500ml Tin
ISOPON Fastglas Resin	RE/XL	1L Tin
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
MAXIMUM Abrasive Latex Paper Discs P80	ABD7/VP80	100-pack
MAXIMUM Abrasive Latex Paper Discs P120	ABD7/VP120	100-pack
MAXIMUM Abrasive Latex Paper Discs P150	ABD7/VP150	100-pack
MAXIMUM Abrasive Latex Paper Discs P180	ABD7/VP180	100-pack
MAXIMUM Abrasive Latex Paper Discs P240	ABD7/VP240	100-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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