



# Self Guide Primer Filler Evo

Self Guide Primer Filler Evo is an innovative, acrylic, high solid, two-component primer/filler with a 4:1 mixing ratio, available in standard colours, black, grey and white.

## Features & Benefits

- High solid content – creates high build, which can be adjusted by adjusting the percentage of thinners
- New concept hardener – catalysis occurs in all directions in the product, giving much better dimensional stability of the product – no sinking
- Immediately matches the colour, even with finishes which contain clear pigments – can easily be covered with 95% of paints, even those that usually require an undercoat
- Easy to sand – direct sanding with P320 / P400 grit. Finish with P500 / P600 grit for light colours
- Changes colour during sanding (black turns into neutral grey) – acts as a guide coat avoiding use of spray matt black. Also highlights defects not usually seen with coloured fillers
- Excellent drying – easily sandable without clogging the abrasive paper, if used according to instructions
- No build-up of paint solids at the bottom of the tin – does not need shaking in tinting machine



P/N	Product	S/C	Packaging
85814	SGPF EVO Black	SGPFE-BK	3.75 L
85815	SGPF EVO Grey	SGPFE-LG	3.75 L
86171	SGPF EVO White	SGPFE-WH	3.75 L
85816	SGPFE Hardener	HSGPFE	1 L
86181	SGPFE Fast Hardener	FHSGPFE	1 L
85694	Thinner	TC1L	1 L
85756	IPERCURE	CCASI	500 ml
85821	Primer Filler kit Black		(85814 & 85816)
85822	Primer Filler kit Grey		(85815 & 85816)
86176	Primer Filler kit White		(86171 & 85816)

## Application

Self Guide Primer Filler Evo is compatible with all standard paints, solvent and water based, 1K and 2K including metallic, micalized and pearl paints.

It is very flexible and it has been formulated to give a high adhesion on fillers, fibreglass, wood, metal and on pre-primed plastics. Non-primed plastics and galvanised steel must be pre-treated with a primer.

Self Guide Primer Filler Evo is easy to sand both dry and wet with a single abrasive paper. It has good covering properties which make it ideal for all kinds of finishing. It has excellent leveling properties, with no sags or absorption; it does not contain chromates. Excellent resistance to corrosion and blistering.

It has very good filling properties: with 2 - 3 coats it covers the scratch marks of P240 / P320 paper, even if thinned at 10%.

It can be added to a solvent base by up to 10% and used as an undercoat with special colours.

## Instructions for use

To avoid condensation, be sure the surfaces to be treated are at room temperature (at least 18°/20°C) and not damp.

High humidity conditions may cause loss of adhesion after few weeks with the eventual appearance of large blisters.

It is not sufficient to wipe off condensation with a cloth but you have to wait that the whole surface reaches room temperature (about 2 hours – depending on type and size of surface).

- Before applying SGPF EVO, carefully clean and degrease the surface removing any trace of dirt and rust.
- To ensure a complete adhesion, sand carefully the surrounding area of the part to be treated using only one kind of abrasive paper: P240/P320.



HAND SANDING WET/DRY: USE P240/P320 paper




Orbital sander: Use P240/P320 paper



GRINDER MACHINE WITH DISCS: use P240/P320 paper

2 or 3 layers of filler are able to cover as well the scratch marks of P240 – P320 paper.

-  Thoroughly clean using Acrysol or Panel Degreaser to eliminate any wax and silicone polishing materials, grease, dirt, fingerprints.

- Apply a first light coat of the primer/filler 4:1 in volume (6:1 in weight) on the whole area to be repaired, which can be thinned up to 25% with an acrylic thinner, using a standard primer filler gun with a 1.8-2.0 nozzle and using a pressure of 2.5-4.0 bars and a fanlike spray, not too open.



If required, add Ipercure accelerator, at maximum concentration of 4%



THINNED: 3-4 COATS  
NOT THINNED: 2-3 COATS



GRAVITY FEED SPRAY GUN  
NOT THINNED: NOZZLE 1.8-2.0  
THINNED: NOZZLE 1.6



SUCTION FEED SPRAY GUN: NOZZLE 2.0

- Wait for the proper flash off time before applying the next coat.



ABOUT 5-8 MINUTES (times changes according to temperature, thickness and thinning).

- Never apply coats too thick to avoid blistering, cracking, sags or slow drying.
- In case of high temperatures, ensure the product arrives wet (glossy) on the surface.
- After application of the required number of coats, verify they are completely dried before starting to sand. Time depends upon thickness: about 4 hours at 20°C and 30 minutes at 60 °C.
- To speed up drying and to ensure dry through (when applying several / thicker layers) use I.R. lamps. Always wait few minutes before turning lamp on in order to allow a proper flashing off of solvent and to avoid causing it to boil creating unpleasant blistering effects. Follow the lamp manufacturers instructions which should give safe distances and periods of drying dependent on power.
- Sanding:



HAND SANDING, WET: USE P600 / P1200 PAPER



HAND SANDING, DRY: USE P320 / P800 PAPER



ORBITAL SANDER: USE P320 / P600 PAPER









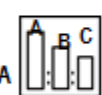













GRINDER DRY : USE P320 / P600 DISCS

- Possible black holes after sanding indicate defects onto the surface to be painted (stones, holes, etc...): they should be removed before starting painting.
- Can be over painted with all water or solvent bases.

**Note** = Pot life of hardened product is about 1 hour at 20 °C.

## Instructions continued:

	<b>PART NUMBERS</b>	85814 11 SGPFE - black 85815 11 SGPFE- grey 86171 11 SGPF -white 85816 11 hardener		<b>GRAVITY FEED SPRAY GUN</b>	Ø 1,8 - 2,0 mm
	<b>COMPOSITION</b>	Acrylic resin		<b>SUCTION FEED SPRAY GUN</b>	Ø 1,8 - 2,0 mm
	<b>SOLIDS CONTENT</b>	76%		<b>AIR PRESSURE</b>	3 - 4 ATM
	<b>V.O.C. Ready to use</b>	VOC(2004/42/CE IIB): ----- (C-540 g/L max) cont. 480 g/L		<b>NUMBER OF LAYERS</b>	2 - 3 crossed - 5-8 minutes break
	<b>PACKAGING</b>	filler - 3,75 L tin hardener - 1 L tin		<b>DRY FILM THICKNESS</b>	80 - 120 microns
	<b>COLOUR</b>	Grey, black + white		<b>FLASH OFF</b>	10' - 15'
<b>g / L</b>	<b>SPECIFIC GRAVITY</b>	1.500 ± 20 g/l black 1.580 ± 20 g/l grey 1.600 ± 20 g/l white		<b>TACK FREE (20°C)</b>	15' - 20'
	<b>MIXING RATIO</b>	4:1 a volume bar/graduated cup		<b>TACK FREE (20°C)</b>	60' - 90'
	<b>PRODUCT</b>	<b>VOLUME</b> <b>WEIGHT</b> 100                      (recomm) 100g		<b>SANDING</b>	4 - 5 h (20°C - 68°F) 30' (60°C - 140°F)
	<b>HARDENER</b>	25                      17g		<b>DRYING TIME</b>	4 - 5 h (20°C - 68°F) 30' (60°C - 140°F)
	<b>THINNER</b>	10 - 25%                      7-20g STANDARD 10%		<b>ROTO ORBITAL dry</b>	P320 - P400 P500/P600 on light silver
	<b>POT LIFE (20°C)</b>	4-5 hours With Ipercure 2-3 hours		<b>WET HAND SANDING</b>	P600 / P1200
	<b>APPLICATION VISCOSITY</b>	25±2" Ford cup Ø 4 a 20°C(20% dil)		<b>DRY HAND SANDING</b>	P320 - P800 P500/P600 on light silver



### Product mixing ratios:

PRODUCT	Option 1 SGPF EVO	Option 2 SGPF EVO	Option 3 SGPF EVO	Option 4 SGPF EVO	Option 5 SGPF EVO	Option 6 SGPF EVO
	MEDIUM HARDENER	FAST HARDENER	MEDIUM HARDENER	MEDIUM HARDENER	FAST HARDENER	FAST HARDENER
	STANDARD THINNER	STANDARD THINNER	FAST REACTIVE THINNER	IPERCURE STANDARD THINNER	STANDARD THINNER	IPERCURE FAST REACTIVE THINNER
SELF GUIDE PRIMER FILLER EVO	100 grams	100 grams	100 grams	100 grams	100 grams	100 grams
HARDENER 4:1 MEDIUM	17 grams		17 grams	17 grams		
HARDENER 4:1 FAST		17 grams			17 grams	17 grams
IPERCURE				4 grams	4 grams	4 grams
THINNER STANDARD	17 grams	17 grams		17 grams	17 grams	
THINNER REACTIVE FAST			17 grams			17 grams
POT-LIFE	3 hr	2 hr 30 min	30 min	1 hr 30 min	1 hr 18 min	27 min
FLASH-OFF TIME	10 - 15 min	10 - 15 min	4 - 6 min	4 - 8 min	4 - 8 min	4 - 6 min
DRYING TIME	4 - 5 hr	3 - 4 hr	30 - 90 min	1 - 3 hr	1 - 3 hr	30 - 90 min



## Mixing chart by weight

PRIMER FILLER	HARDENER	% THINNING compared to "by volume"	
		10%	25%
	<b>Quantity</b>		
gr. 100	+ gr. 17	+ gr. 7	+ gr. 20
gr. 150	+ gr. 25,5	+ gr. 10.5	+ gr. 30
gr. 200	+ gr. 34	+ gr. 14	+ gr. 40
gr. 250	+ gr. 42,5	+ gr. 17.5	+ gr. 50
gr. 300	+ gr. 51	+ gr. 21	+ gr. 60
gr. 350	+ gr. 59,5	+ gr. 24.5	+ gr. 70
gr. 400	+ gr. 68	+ gr. 28	+ gr. 80
gr. 450	+ gr. 76,5	+ gr. 31.5	+ gr. 90
gr. 500	+ gr. 85	+ gr. 35	+ gr. 100
gr. 550	+ gr. 93,5	+ gr. 38.5	+ gr. 110
gr. 600	+ gr. 102	+ gr. 42	+ gr. 120
gr. 650	+ gr. 110,5	+ gr. 45.5	+ gr. 130
gr. 700	+ gr. 119	+ gr. 49	+ gr. 140
gr. 750	+ gr. 127,5	+ gr. 52.5	+ gr. 150
gr. 800	+ gr. 136	+ gr. 56	+ gr. 160
gr. 850	+ gr. 144,5	+ gr. 59.5	+ gr. 170
gr. 900	+ gr. 153	+ gr. 63	+ gr. 180
gr. 950	+ gr. 161,5	+ gr. 66.5	+ gr. 190
gr. 1000	+ gr. 170	+ gr. 70	+ gr. 200



## Technical Information

### SELF GUIDE PRIMER FILLER EVO – all colours

<b>Base :</b>	Acrylic resin
<b>Consistency:</b>	High solid primer filler
<b>Colour:</b>	Various, see over
<b>Shelf life:</b>	18 months
<b>Custom tariff code:</b>	3208 1090
<b>VOC:</b>	480 g/l (max) RFU

### SELF GUIDE PRIMER FILLER EVO HARDENERS & THINNER

<b>Base :</b>	Solvent blend
<b>Consistency:</b>	Clear liquid
<b>Colour:</b>	Transparent
<b>Shelf life:</b>	18 months
<b>Custom tariff code:</b>	3208 1090 - hardener 3814 0090 - thinner

---

<b>Pot life:</b>	4 - 5 hours (20°C)
<b>Pot life - with Ipercure:</b>	2 - 3 hours (20°C)
<b>Mixing ratio:</b>	4:1 volume
<b>Thinner / diluent:</b>	10 - 25% / standard 10% / weight 7 - 20g
<b>Application distance:</b>	15 - 20 cm
<b>Dry time</b>	4 - 5 hours 20°C, 30 minutes 60°C
<b>Dry film thickness :</b>	80 - 120 microns
<b>Coverage:</b>	Not determined
<b>Number of coats:</b>	2 - 3 crossed layers
<b>Dry time between coats:</b>	5 - 8 minutes
<b>Wet on wet:</b>	No
<b>Salt spray test:</b>	Not determined
<b>Application temp:</b>	At least 18°C / 20°C
<b>Temp resistance :</b>	Not determined
<b>Specific gravity:</b>	Black 1.50 +/- 20 g/l Grey 1.58 +/- 20 g/l White 1.60 +/- 20 g/l
<b>Solid content:</b>	76% (primer filler)



SDS available on [www.kent europe.com](http://www.kent europe.com)

#### Terms and Conditions

No part of this publication may be reproduced, transmitted or stored, electronically, mechanically or photocopied without the prior permission of KENT (United Kingdom) Ltd. This data sheet and its contents (the "Information") belong to KENT (United Kingdom) Ltd, or are licensed to it. No license is granted for the use of it other than for information purposes in connection with the products to which it relates. No license of any intellectual property rights is granted.

The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error from or omission in it nor for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including

liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence KENT is the trading name of KENT (United Kingdom) Ltd.

**Registered Office:** Amber House,  
Showground Road, Bridgewater, Somerset, United Kingdom TA6 6AJ  
*All rights reserved*

**KENT (United Kingdom) Ltd, Forsyth House, Pitreavie Way, Pitreavie Business Park, Dunfermline, Fife KY11 8US** Tel : 0800 136925 or 01383 723344 between 08:30-17:30 Monday-Thursday, 09:00-15:00 on Fridays'. For out of hours queries please Fax us on 01383 735829 or Email: [KENTsales.UK@kent europe.com](mailto:KENTsales.UK@kent europe.com)

REV: 15/11/2018