

**COLEGRAF SG 2800 RANGE Solvent based Screen Colours ISO 9001**
**NEW!!****TECHNICAL DATA SHEET**

A Universal solvent based screen process ink for use on:-

PVC (both self-adhesive and rigid), paper, board, corrugated board, acrylic plastics, polycarbonates, perspex types, powder coated metals, treated polyester, polystyrene, CAB, ABS, polypropylene\*, Correx\* etc.  
 \*Denotes that the addition of hardener SG2829 is recommended.

Excellent screen stability for hand printing and semi-automatic machines

Also available are nine transparent shades for use as an inter-mixing Colour Match System

Eight fluorescent inks are also available to special order plus a gold and silver

**Finish Level** -Gloss to semi-gloss depending on substrate being printed

**Drying** -Machine printing -by exposure to warm jet air eg 50deg C for 45 seconds  
 Hand printing -ambient air dry time approximately 10 minutes

**Thinners**

<b>SGV1</b>	Standard thinners	for use on automatic machinery.	add up to 15%
<b>SGV2</b>	Slow thinners	for hand printing and semi-automatic machines	add up to 15%
<b>SGV3</b>	Retarder	for printing very fine detail in hot-shop conditions	add up to 5%
			plus thinners to total 15%
<b>SGV4</b>	Gel retarder	a paste to be used when printing fine detail on porous substrates	use instead of SGV1 up to 15%
<b>SGV5</b>	Strong thinner	for extra "bite" into surface	add 15% or mix with SGV1 to combined total of 15%
<b>SGV6</b>	Fast thinner	for faster drying on automatic machines	add 15% or mix with SGV1 to combined total of 15%

**Process Colours** **4-Colour** process set inks are already structured ready to print, and do not normally need thinning.

**Print Speed(IPH)** Using semi or fully automatic machine coupled with a jet air drier, up to 1,000 prints per hour can be achieved using the standard thinners.

**Mesh** The appropriate deposit of ink can be obtained using mesh sizes from 90T up to 150T  
 Extra Opaque White will need a coarser mesh - 62T up to 90T

**Coverage** Up to 40 square metres per kilo can be obtained with 90T mesh  
 Up to 55 square metres per kilo can be obtained with 120T mesh  
 Up to 75 square metres per kilo can be obtained with 150T mesh

**Stencils** All types of solvent resistant stencil are suitable, eg. Fotecap Capillary Films, Fotecoat Emulsions 1970, 1811 or similar.

**Screen Cleaning** Use multi purpose screenwash. CSS12, Console 12, CSS52, REM4306 etc.

**Shelf Life** 5 - 7 years in tightly closed containers.

**Adhesion** Owing to the many various grades of plastic substrates available, test proofs should be carried out before proceeding with the actual print run. Adhesion to difficult substrates can be improved by the addition of hardener - SG2829\*

**Toxicity** None of the inks contain pigments which are made from lead or heavy metals. Therefore the inks could be used for children's toys, subject to conditions stipulated by end user.

**Light Fastness** Fade resistance will vary from shade to shade, nevertheless pigments used in this ink range are of good fade resistance  
 See separate sheet for Blue Wool Scale figures - Also please see Overprint Varnish SG2826 below.

**STANDARD COLOURS**

<b>C-SG2801</b>	Black
<b>C-SG2802</b>	White
<b>C-SG2803</b>	Primrose Yellow
<b>C-SG2804</b>	Lemon Yellow
<b>C-SG2805</b>	Golden Yellow
<b>C-SG2806</b>	Light Orange
<b>C-SG2807</b>	Deep Orange
<b>C-SG2808</b>	Vermilion
<b>C-SG2809</b>	Scarlet
<b>C-SG2810</b>	Carmine Red
<b>C-SG2811</b>	Deep Magenta
<b>C-SG2812</b>	Deep Violet
<b>C-SG2813</b>	Ultra Blue
<b>C-SG2814</b>	Light Blue
<b>C-SG2815</b>	Deep Blue
<b>C-SG2816</b>	Brilliant Green
<b>C-SG2817</b>	Mid Green
<b>C-SG2818</b>	Extender Base
<b>4-COLOUR PROCESS SET</b>	
<b>C-SG2820</b>	Process Yellow
<b>C-SG2821</b>	Process Magenta
<b>C-SG2822</b>	Process Cyan
<b>C-SG2823</b>	Process Black
<b>C-SG2824</b>	Process Base
<b>TRANSPARENT</b>	
<b>COLOUR MATCHING SET</b>	
<b>C-SG2830</b>	Trans Yellow
<b>C-SG2831</b>	Trans Orange
<b>C-SG2832</b>	Trans Red
<b>C-SG2833</b>	Trans Pink
<b>C-SG2834</b>	Trans Magenta
<b>C-SG2835</b>	Trans Violet
<b>C-SG2836</b>	Trans Reflex Blue
<b>C-SG2837</b>	Trans Blue
<b>C-SG2838</b>	Trans Green
<b>C-SG2861</b>	Mixing Black
<b>C-SG2862</b>	Mixing White
<b>FLUORESCENT COLOURS</b>	
<b>C-SG2840</b>	Fluo Yellow
<b>C-SG2841</b>	Fluo Light Orange
<b>C-SG2842</b>	Fluo Deep Orange
<b>C-SG2843</b>	Fluo Red
<b>C-SG2844</b>	Fluo Carmine
<b>C-SG2845</b>	Fluo Cerise
<b>C-SG2846</b>	Fluo Magenta
<b>C-SG2847</b>	Fluo Green
<b>METALLIC COLOURS</b>	
<b>C-SG2850</b>	Silver Paste
<b>C-SG2851</b>	Rich Pale Gold Paste

**AUXILIARY PRODUCTS**

**Gel Base** **SG2825** Structured base for use with metallic powders

**Overprint Varnish** **SG2826** Gloss varnish used to protect prints in the exterior environment (contains UV absorbers).

**Anti-static additive** **SG2827** To reduce static build-up when printing plastic substrates (1-2% addition by weight).

**Matting Agent** **SG2828** A "stir-in" paste to reduce the finish level - you may add up to 20% before thinning

**Hardener\*** **SG2829** Add 15% by weight to improve adhesion to problem substrates including polyporpylene\*, Correx etc. \*

**Extra Opaque Matt White** **SG2872** Can be used as a white. Also as an obliterating white for printing double sided stickers.

**Warranty Disclaimer**

The performance characteristics of all our inks may vary according to the product application, operating conditions, material and use.

You are therefore obliged to make your own tests to determine to your satisfaction whether the product is of acceptable quality before commencing the print run.

Any potential dispute is therefore limited to the replacement value of the inks used.