

TECHNICAL DATA SHEET

COLEGRAF SG 2800 RANGE Solvent based Screen Colours

ISO 9001

NEW!!

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

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 polypropylene*, 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.

STANDARD COLOURS

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