

TECHNICAL DATA SHEET

COLEGRAF UVG 3000 RANGE UV Curing gloss Screen Colours

ISO 9001

NEW!!

A UV curing gloss screen ink for use on:-

Treated polyolefin plastics and metal surfaces

Drying	By exposure to UV high pressure mercury vapour lamps.
Drying Time	Using a two lamp machine at full power belt speeds up to 30 metres per minute can be achieved
Thinners	Up to 10% of special thinner can be added
Mesh	Recommended mesh plain weave 150-34 and calendered UV
Drying	By exposure to UV high pressure mercury vapour lamps.
Coverage	Up to 100 square metres/litres can be obtained with fine calendered meshes
Stencils	Where direct emulsion systems are being used the number of coatings should be kept to a minimum. This will ensure that the thinnest stencil film is obtained and this will give low ink deposits especially in fine detail areas. Where indirect stencil systems are to be employed use one of those now on the market which have been specially designed for UV printing
Screen Cleaning	Screenwash should be used for washing up. As the inks have excellent screen stability, screens should only require washing up at the end of the run. Screens can be left overnight provided they are protected from direct sunlight and covered up to prevent dust contamination. N.B. Do NOT cross contaminate with any other UV ink product
Adhesion	Owing to the many various shades of plastic substrates and metal surfaces available, test proofs should be carried out before proceeding with the actual print run.
Extender	The colour strength of the inks can be adjusted by the addition of extender base

STANDARD COLOURS	
C-UVG3001	Black
C-UVG3002	White
C-UVG3003	Primrose Yellow
C-UVG3004	Lemon Yellow
C-UVG3005	Golden Yellow
C-UVG3006	Light Orange
C-UVG3007	Deep Orange
C-UVG3008	Vermillion
C-UVG3009	Scarlet
C-UVG3010	Carmine Red
C-UVG3011	Deep Magenta
C-UVG3012	Deep Violet
C-UVG3013	Ultra Blue
C-UVG3014	Light Blue
C-UVG3015	Deep Blue
C-UVG3016	Brilliant Green
C-UVG3017	Mid Green
4-COLOUR PROCESS SET	
C-UVG3020	Process Yellow
C-UVG3021	Process Magenta
C-UVG3022	Process Cyan
C-UVG3023	Process Black
THINNERS	
C-UVGV3	Thinners
OVER-VARNISH	
C-UVG3027	Overprint Varnish

COLEGRAF SSP 2600 RANGE Solvent based Screen Colours ISO 900:2008

NEW!!

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A Solvent based screen process ink for use on:-

Fluted Polyolefin Sheets, (eg Estate Agent Board), treated plain and corrugated polypropylene with a surface tension level of 40 dynes/cm or greater.

Excellent screen stability for hand printing and semi-automatic machines	
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 60deg C for 15-25 seconds Hand printing ambient air dry time approximately 10 minutes
Thinners SPP1	Standard thinner for use on automatic machinery. Add up to 15%
Retarder SPP3	Retarder For printing very fine detail in hot-shop conditions: Add up to 5%
Process Colours	Process set inks are already structured ready to print, and do not normally need thinners.
4- Colours	
Print Speed (1PH)	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 The appropriate deposit of ink can be obtained using mesh sizes from 90T up to 140T Up to 50 square metres per kilo can be obtained with 90T Up to 60 square metres per kilo can be obtained with 120T
Mesh	
Coverage	
Stencils	All types of solvent resistant stencil are suitable, eg Fotecap Capillary Films, Fotecoat Emulsions 1970, 1019-Blue, 1811 or similar.
Screen Cleaning	Use multi purpose screenwash. CSS12, CSS52, REM24306 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 actual print run.
Toxicity	None of the inks contain pigments which are made from lead or heavy metals. Therefore the ink's 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.
AUXILIARY PRODUCTS	
Overprint Varnish SPP2626	Gloss varnish used to protect prints in the exterior environment (contains UV absorbers)
Matting Agent SPP2628	A "Stir-in" paste to reduce the finish level - you may add up to 20% before thinning

STANDARD COLOURS	
C-SPP2601	Black
C-SPP2602	White
C-SPP2603	Primrose Yellow
C-SPP2604	Lemon Yellow
C-SPP2605	Golden Yellow
C-SPP2606	Light Orange
C-SPP2607	Deep Orange
C-SPP2608	Vermillion
C-SPP2609	Scarlet
C-SPP2610	Carmine Red
C-SPP2611	Deep Magenta
C-SPP2612	Deep Violet
C-SPP2613	Ultra Blue
C-SPP2614	Light Blue
C-SPP2615	Deep Blue
C-SPP2616	Brilliant Green
C-SPP2617	Mid Green
4-COLOUR PROCESS	
C-SPP2620	Process Yellow
C-SPP2621	Process Magenta
C-SPP2622	Process Cyan
C-SPP2623	Process Black
C-SPP2624	Process Base
FLUORESCENT COLOURS	
C-SPP2640	Fluo Yellow
C-SPP2641	Fluo Light Orange
C-SPP2642	Fluo Deep Orange
C-SPP2643	Fluo Red
C-SPP2644	Fluo Carmine
C-SPP2645	Fluo Cerise
C-SPP2646	Fluo Magenta
C-SPP2647	Fluo Green
METALLIC COLOURS	
C-SPP2650	Silver Paste
C-SPP2651	Rich Gold Paste

Warranty Disclaimer

The performance characteristics of all our inks may vary according to the product application, operating conditions, material applied to or with, 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.