

TECHNICAL DATA SHEET

COLEGRAF UVG 2900 RANGE UV Curing Screen Colours

ISO 9001

NEW!!

A UV curing 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, some grades of polystyrene, CAB, ABS, polypropylene*, Correx* etc.
*Denotes that the addition of adhesion modifier C-UVGH1 may be needed, (in the event that these substrate show a treatment level of less than 40 Dynes per centimetre).

Powder coated metals require test proofing.

Excellent screen stability.

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	By exposure to medium pressure mercury lamp.
Thinners	C-UVG1 Only one UV thinners required. (add maximum of 10% if viscosity needs adjusting)
Process Colours	4-Colour process set inks are already structured ready to print, and do not normally need thinning.
Drying Speed	For 2 lamp machine (200 watts/in) 30 to 40 metres per minute.
Mesh	Recommended mesh plain weave 140T/150T
Coverage	Up to 100 square metres per kilo with fine meshes
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	6 Months 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. 1 to 3% extra photoinitiator may need to be added to improve cure.
Billboards	Billboard Printers should be aware that conventional multi-layer Billboard Paste does not adhere to this ink range.
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 C-UVG2926 below.

STANDARD COLOURS

C-UVG2901	Black
C-UVG2902	White
C-UVG2903	Primrose Yellow
C-UVG2904	Lemon Yellow
C-UVG2905	Golden Yellow
C-UVG2906	Light Orange
C-UVG2907	Deep Orange
C-UVG2908	Vermilion
C-UVG2909	Scarlet
C-UVG2910	Carmine Red
C-UVG2911	Deep Magenta
C-UVG2912	Deep Violet
C-UVG2913	Ultra Blue
C-UVG2914	Light Blue
C-UVG2915	Deep Blue
C-UVG2916	Brilliant Green
C-UVG2917	Mid Green
C-UVG2918	Extender Base
C-UVG2919W	Extender Base
4-COLOUR PROCESS SET	
C-UVG2920	Process Yellow
C-UVG2921	Process Magenta
C-UVG2922	Process Cyan
C-UVG2923	Process Black
C-UVG2924	Process Base
OVER-VARNISH	
C-UVG2926P	Over-Varnish (Paper)
C-UVG2927V	Over-Varnish (Vinyl)

TRANSPARENT

COLOUR MATCHING SET

C-UVG2930	Trans Yellow
C-UVG2931	Trans Orange
C-UVG2932	Trans Red
C-UVG2933	Trans Pink
C-UVG2934	Trans Magenta
C-UVG2935	Trans Violet
C-UVG2936	Trans Reflex Blue
C-UVG2937	Trans Blue
C-UVG2938	Trans Green
C-UVG2961	Mixing Black
C-UVG2962	Mixing White

FLUORESCENT COLOURS

C-UVG2940	Fluo Yellow
C-UVG2941	Fluo Light Orange
C-UVG2942	Fluo Deep Orange
C-UVG2943	Fluo Red
C-UVG2944	Fluo Carmine
C-UVG2945	Fluo Cerise
C-UVG2946	Fluo Magenta
C-UVG2947	Fluo Green

METALLIC COLOURS

C-UVG2950	Silver (Special Pastes)
C-UVG2951	Rich Pale Gold (Special Pastes)

AUXILIARY PRODUCTS

Extender Base	C-UVG2918	Use to extend all colours except white (or mixed colours if they contain predominantly white).
Extender Base	C-UVG2919W	Use only to extend white (or mixed colours based predominantly on white).
Overprint Varnish	C-UVG2926P	Gloss varnish used to protect prints in the exterior environment, (for use on paper and board). Also can be mixed with gold or silver powders and pastes.
Overprint Varnish	C-UVG2927V	Gloss varnish, similar to above but for use on vinyls and some other plastics. Also can be mixed with gold or silver powders and pastes.
Matting Powder	C-UVG2928	A "stir-in" powder to reduce the finish level - you may add up to 20%.
Photo-initiator	C-UVG2929	Photo-initiator Solution - Add 10 to 30gms for 1kg or 50 to 150gms for 5kg of ink (ie 1-3% by weight) (For use only if extra speed of cure is needed, if an extra opaque mix needs faster cure or if used in conjunction with silver or gold powders/paste).
Thinners	C-UVG1	UV thinners, use only if viscosity needs adjusting. (add maximum of 10%).
Adhesion Modifier	C-UVGH1	Add approximately 5% to improve adhesion to polyprop - limited pot life after mixing of approximately 4 - 6 hours.

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.