

SAFEX

PRODUCT INFORMATION

Safeflex™ is a high-viscosity water based ink specifically formulated for textiles and tote bag applications. Its unique formula provides an excellent elasticity and a strong durability with curing temperatures that are much lower than plastisol inks (150F-225F).

APPLICATION FIELD

This ink can be used on delicate synthetic and dyed fabrics without bleeding. It can also be printed wet on wet.

*RSL – Veritas Approved

APPLICATION PROCESS

Substrates	Synthetic, cotton, Rayon, Canvas, recycled fibers.
Th/inches	From 80 to 305 (32 to 120 cm), mono filament polyester recommended.
Emulsion	Photopolymer emulsion. For best result stencils must be thoroughly dry before exposure. Use a water-proof block out or emulsion for small touch-up areas.
Squeegee	Sharp, 60 to 70 with sharp blade
Drying	Full cure will occur at 150° to 225°F (65-110°C) for two minutes with good air flow. Failure to cure correctly will result in reduced crock resistance and wash-fastness. Test thoroughly prior to production.

Cleaning	Use S-034 Screen Cleaner for press or screen clean up. When cleaning screens, first spray all ink areas with the S-034 Screen Cleaner. Let stand for 3-5 minutes then pressure wash with water. For dry ink, use TW-LR2 Dry Ink remover. For garment spot cleaning remover use PC-175.
Storage	Store at room temperature, below 100 ° F (38 ° C). Always avoid open flames and excessive heat exposure. Protect from freezing.
Packaging	Available in gallon, five-gallon pails and 30 gallons drums.
SDS	Available upon request

When fully cured and fused you will achieve excellent wash fastness. Do not dry clean or bleach. Printed areas should not be ironed.

ADDITIVES AND THINNERS

Stir the ink well before every use. Safeflex ink is supplied in a press ready condition for most applications and printing equipment. It is required that you wet the image area of the stencil with S-039 before printing, a spray bottle may be used. S-039 may be used during the run to restart the evaporated water, which can also assist in keeping the stencil area of the mesh open.

PRODUCT RANGE

Standard colors

Code	
3020	LB SUPER OPAQUE WHITE
3021	LB OPAQUE WHITE
3022	LB MIXING WHITE
3025	OPAQUE BLACK
3030	CLEAR BASE
3503	YELLOW
3505	SCARLET
3507	RED
3509	VIOLET
3511	MARINE BLUE
3513	BLUE A (GS)
3515	BLUE B (RS)
3517	GREEN
3519	FL. MAGENTA
3521	FL. VIOLET
3523	FL. BLUE
3525	FL. GREEN
3527	FL. YELLOW
3529	FL. LEMON
3531	FL. ORANGE
3533	FL. PINK
3535	FL. RED
SPECIAL INKS	
3000-04	GLOW IN THE DARK
	METALLIC GLITTERS

SPECIAL RECOMMENDATION

- Always penetrate the fabric with the first color, flash-build up color as needed, may be printed wet on wet following colors with trapped artwork.
- Always top flood between print cycles, will always re-wet. Keep fresh ink and add in the screen, spray open mesh with S-039 to keep mesh open between print cycles, if needed (do not leave mesh open except during print cycles).
- Always pre-test for full cure, adhesion, crocking, opacity, washability and other specific requirements.
- The end-user must always determine the suitability of this product for the intended use prior to production by pre-printing, transferring and evaluating all fabrics and transfer papers before beginning printing production.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.