

40000 Series Gloss Vinyl Ink

Ideal for most vinyl stocks

Excellent adhesion to most pressure sensitive vinyls

Reliable durability under outdoor or indoor exposure

High-level of resistance to fading and bleeding

Free of chromate, heavy metals and lead

STOCK, END-USE: Vinyl substrates, rigid PVC, pressure-sensitive decals, coated polyester (Mylar®). **Note:** Certain vinyl plastic coatings, moldings, castings and extrusions may contain incompatible materials with 40000 Series inks. Always pre-test substrate for adhesion.

DESCRIPTION: 40000 Series vinyl inks provide highest quality results in screen printing pressure sensitive decals, vinyl, vinyl coated materials and other plastics; excellent adhesion, outstanding color value and film strength are obtained.

Note: Pre-test on actual substrate before any full production run.

FINISH: High-gloss. To modify finish to matte, add 43790 Flat Clear Extender Base or any 43000 series color. Or add FP084 Flattening Powder with T-920 thinner for paste consistency. Add 1-6 ounces of this mixture to one gallon 40000 Series ink.

COLORS: Available in high-opaque and transparent colors. Fluorescent colors are also available.

COVERAGE: Approximately 1,000 square feet (101 m²) per gallon through mesh count 250 (100T European) monofilament polyester.

SCREEN FABRIC: Mesh counts 230-280 (92T-112T European) monofilament polyester.

STENCIL: Dual-cure direct method photo emulsion or SBQ presensitized photo emulsion or equivalent. Also, any solvent-resistant film or photo emulsion.

DRYING: Air-dry in 30 minutes. Forced heat-dry in 30 to 35 seconds at 110°F (43°C). Note: Do not exceed 110°F (43°C).

MODIFICATION: To extend color or reduce pigmentation, add 40790 Clear Base. To increase ink's body when printing fine lines and details, add 40800 Halftone Base. For mixing ink with metallic powders, use 40780 Metallic Mixing Base. To increase ink flow, add 1/2% to 1% (by weight) FA011 Flow Agent. For best printing results, reduce ink with 5 to 15% (by weight) T-912 Fast Thinner or T-920 Slow Thinner. T prevent ink drying in the screen under hot, humid conditions, add 3-5% (by weight T-934B Retarder.)

QUICK GUIDE FOR INK MODIFICATION

Modifier	Proportion
FA 011	1/2 to 1%
T-912/T-920	5-15%
T-934B	3-5%
FP084 + T-920	1-6 ounces

All mixing proportions are measured by weight.

CLEAN UP: Use T-911 Vinyl Washup. CRS500 Biodegradable Washup.

PACKAGING: 1-quart (0.945 Liter), 1 gallon (3.78 Liter) containers.

SAFETY & HANDLING: Refer to Material Safety Data Sheet (MSDS) for complete information.

COLOR RANGE: All colors are formulated using non-leaded pigments, unless noted otherwise.

OPAQUE COLORS:

40150 Super White
40205 Primrose Yellow
40215 Lemon Yellow
40225 Medium Yellow
40275 Ultra Orange
40305 Holiday Green
40315 Emerald Green
40325 Deep Green
40415 Brilliant Blue
40425 Orbit Blue
40435 Regal Blue
40445 Deep Peacock Blue
40515 Fire Red
40525 American Red
40535 Satellite Red
40545 Deep Red
40555 Permanent Magenta
40565 Permanent Cerise
40660 Brown
40770 Black

TRANSPARENT COLORS:

40827 Process Yellow
40834 Monastral Green
40845 Permanent Blue-R
40846 Process Blue
40849 Permanent Violet .
40853 Permanent Red-Y
40858 Permanent Red-B
40876 Permanent Rose Red
40886 Process Red

MODIFIER:

40780 Clear Metallic Base
40790 Clear Extender Base
40800 Halftone Base
43790 Flat Clear Extender Base
FT084 Flattening Powder
FA 011 Flow Agent

SOLVENT

T-911 Vinyl Washup
T-912 Fast Thinner
T-920 Slow Thinner
T-934B Retarder
CRS500 Biodegradable Washup.

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