

54000 Series Industrial Lacquer Ink

Multi-purpose ink for industrial and signage applications
Excellent screenability and ink flow
Fast air-drying action handles high-speed production
Produces a tough, high-opaque gloss finish

STOCK, END-USE: Cardboard, paper, corrugated, wood, lacquer coated metal, glass, pyroxylin.

DESCRIPTION: 54000 series is a multi-purpose lacquer ink for industrial and other signage applications. Recommended substrates vary from paper to metal, from wood to pyroxylin. 54000 inks produce prints with striking color brilliance, outstanding opacity, gloss and adhesion.

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

FINISH: High-gloss. To modify finish to semi-gloss, add FP084 Flattening Powder mixture. Mix FP084 Flattening Powder with T-904 solvent to obtain a paste consistency mixture. Add 1-6 ounces FP084 mixture per one gallon of ink.

COLORS: Available in opaque and transparent colors.

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: By solvent evaporation. Air dry on racks for 30-40 minutes with adequate ventilation. Jet-dry for 20 to 30 seconds at 175 to 200°F **Note:** Addition of 54805 Link-Lac Extender Base helps speed up cur/drying time.

MODIFICATION: To extend color or reduce pigmentaiton, add 54790 Clear Base. For printing fine details, add 54800 Halftone Base. To mix with metallic powder for a metallic finish, use 54780 Clear Metallic Base. To improve ink flow, ad 1 /2 to 1 % (by weight of ink) FA01 1 Flow Agent (only if necessary). To extend color without gloss level reduction, add 10% Flexible Binding Base No. 54900. In most applications, 54000 Series are usually thinned with 5 to 10% (by weight of ink) T-976 or T-904 Thinner. **Note:** When printing on paper and board, all 54000 colors should be reduced at least 25% with 54805 Link-Lac Extender Base; this also improves die-cutting resistance and non-blocking properties. To prevent ink drying in the screen under hot, humid conditions, add 3 to 5% T-999 Retarder (use sparingly).

CLEAN UP: Use T-902/T-925 or CRS500 Biodegradable Washup.

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

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

COLOR RANGE: All colors are formulated using nonleaded pigments, unless otherwise noted.

OPAQUE COLORS:

54150	Super White
54205	Primrose Yellow
54215	Lemon Yellow
54225	Medium Yellow
54275	Ultra Orange
54305	Holiday Green
54315	Emerald Green
54325	Deep Green
54415	Brilliant Blue
54425	Orbit Blue
54435	Regal Blue
54445	Deep Peacock Blue
54515	Fire Red
54525	American Red
54535	Satellite Red
54545	Deep Red
54555	Permanent Magenta
54565	Permanent Cerise
54660	Brown
54770	Black

TRANSPARENT COLORS:

54827	Process Yellow
54834	Monastral Green
54845	Permanent Blue-R
54846	Process Blue
54849	Permanent Violet
54853	Permanent Red-Y
54858	Permanent Red-B
54876	Permanent Rose Red
54886	Process Red

MODIFIERS:

54780	Clear Metallic Base
54790	Clear Extender Base
54800	Halftone Base
54900	Flesible Binding Base
FA 011	Flow Agent

SOLVENTS:

T-902/T-925	Washup
T-904	Thinner
T-976/T-976B	Fast Thinner
T-999	Retarder
CRS500	Biodegradable Washup.

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