



700 SERIES DIRECT PRINT PLASTISOL INKS



RECOMMENDED FABRICS

100% Cotton
50/50 Cotton/Polyester Blends



INK APPLICATION

700 Series Colors should be printed without any modifications



ADDITIVES

If modification is necessary, use 1% to 3% by weight of 1110 Curable Reducer for the standard inks and 1099 Low Bleed Curable Reducer for the HP inks



SCREEN MESH

Standard Colors: 110-305 t/in (43-120 t/cm) monofilament
HP Colors: 61-110 t/in (24-43 t/cm) monofilament



EMULSION

Any direct or indirect emulsion or capillary film in the 35 to 70 micron range, depending on the opacity desired



SQUEEGEE

65-70 Durometer
Sharp edge



CURE TEMPERATURES

325°F (163°C) entire ink film



CLEAN-UP

Any eco-friendly plastisol screen wash



PRODUCT PACKAGING

Quart, 1 gallon, 5 gallon, 30 gallon or 50 gallon containers



STORAGE OF INK CONTAINERS

65° to 90°F (18°C to 32°C)
Avoid storage in direct sunlight
Keep containers well sealed



SDS

Refer to SDS prior to use

FEATURES

700 Series Direct Print Plastisol Inks are engineered with a selection of HP (High Pigment) colors for dark fabrics, standard colors for light fabrics, and a softhand clear (720) that can be mixed with ink to help soften the feel or hand of the print.

Well suited for automated equipment although excellent results can be achieved in almost any printing operation.

Includes the Pro-Brite™ CMYK series inks (4-COLOR PROCESS).

COLORS

706 Purple	755 Maroon	783 Tan
712 Light Grey	756 Maroon	788 Brown
716 Black	760 Columbia Blue	789 Chocolate Brown
717 Ultimate™ Black	762 Light Blue	724 Pro-Brite™ Yellow
718 Matte Black	765 Ultra Blue	743 Pro-Brite™ Magenta
720 Softhand Clear Base	766 Royal Blue	764 Pro-Brite™ Cyan
723 Lemon Yellow	768 Navy Blue	784 Pro-Brite™ Black
726 Gold	769 Teal	730 HP Burnt Orange*
727 Golden Yellow	773 Kelly Green	791 HP Lemon Yellow*
737 Dark Orange	775 Dallas Green	793 HP Scarlet*
745 Dallas Red	776 Dark Green	797 HP Golden Yellow*
746 Scarlet	777 Lime Green	

*High Pigment (HP)

SOFT-HAND PRINTS

For softer feeling prints on light colored fabrics, use 20% to 25% by volume of 720 Softhand Clear Base. Reducing the viscosity of the ink using 1110 Curable Reducer and printing through finer mesh counts can also greatly improve the softness (hand) of the finished print.

SPOT FLASHING

The 700 Series inks will spot dry, with a very low after flash tack. Dwell time is dependent on the spot dryer used. In some cases, you may have to lower the heat of the spot cure unit because too much heat may actually make the ink tacky. When you spot dry, you are only partially fusing or gelling the surface of the ink. The ink should be just dry to the touch, with no lift-off, but not totally fused. Total fusing any flashed color may cause inter-coat adhesion problems with the inks printed on top of the flashed ink. Final fusing or curing should occur in the dryer.

IMPORTANT INFORMATION

Use an underbase print when printing 700 Series inks onto dark fabrics or fabrics containing polyester. Use 711, 7014, 7031 or 7041 white as an underbase ink. To achieve a softer hand and faster production speeds, print underbase ink through finer mesh counts (230 to 305 t/in or 90 to 120 t/cm mesh).

Adding too much reducer or other additives to the 700 Series inks may cause problems with curing/fusing or increased dye migration.

Test dryer temperatures and wash test printed product before and during a production run.

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