



UltraMix® All-Pro™ 9000 SERIES COLOR SYSTEM



RECOMMENDED FABRICS

Nylon
100% Cotton
Some Polyester or polyester blends



INK APPLICATION

Use 900 Catalyst for best adhesion
By volume: 16 parts ink to 1 part 900 Catalyst
By Weight: 20 Parts ink to 1 Part 900 Catalyst



ADDITIVES

If modification is necessary, use
1% to 3% Mineral Spirits or
1% to 5% 1110 Curable Reducer



SCREEN MESH

110-305 t/in (43-120 t/cm)
monofilament



EMULSION

Any direct or indirect emulsion or capillary film in the 35 to 70 micron range



SQUEEGEE

65-70 Durometer Sharp Edge
60-90-60 or 70-90-70 Triple Durometer Sharp Edge



CURE TEMPERATURES

275°F to 325°F (135°C) to 163°C) entire ink film. Fusing at lower temperatures may require a longer dryer retention time



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

UltraMix® All-Pro™ 9000 Series Pantone® Color System consists of 15 non-phthalate colors and a non-phthalate clear base. 9000 Series inks are a quick flashing, 2-part plastisol for printing onto normally hard to print nylon fabrics. These inks are well suited for fine detail and halftone printing using finer mesh screens.

Create special or standard colors by using **International Coatings' UltraMix®, Pantone® color matching software**, either online or on the desktop version.

COLORS AVAILABLE

9000 Clear Base	9210 Purple	9224 FL. Magenta
9201 White	9212 Violet	9226 FL. Violet
9202 Yellow (GS)	9214 Blue (RS)	9228 FL. Green
9204 Yellow (RS)	9216 Blue (GS)	9222 Black
9206 Orange	9218 Green	
9208 Red (BS)	9220 Brown	

To achieve the best adhesion for most nylon fabrics and some polyester or cotton/polyester blends, the addition of 900 Catalyst is needed.

IMPORTANT INFORMATION

In order to achieve the best color matching results using the UltraMix® All-Pro™ 9000 Color System, the specified primary colors for the system must be used. Using other than the specified primaries will produce inaccurate matching results. All the 9000 Series primary colors may be printed as is, with 900 Catalyst, or inter-mixed as necessary.

For multicolor printing on nylon, especially shell nylon, it is important to pre-heat the nylon fabric in order to help control fabric shrinkage.

On most nylon fabrics, spot flashing between colors is critical. The 9000 Series inks will spot dry, with low after flash tack, in 3 to 8 seconds depending on the spot dryer used. Adjust unit accordingly to achieve best results. When spot drying, the ink should be just just dry to the touch (no ink lift off), but not totally fused. Totally fusing the ink between colors may cause inter-coat adhesion problems. Final curing/fusing will occur in the dryer.

The 9000 Series inks are not low bleed inks. On some types of fabric, bleeding or dye migration may occur. Always test print the fabric before beginning production. Bleeding or dye migration may not occur right away.

When printing on non-automated equipment, adjust screen to maintain proper off-contact to achieve best print results. On automated equipment, adjust squeegee pressure, angle and off-contact to insure proper shear and lay down of the printed ink.

Adding too much reducer or additives to the 9000 Series inks may cause curing/fusing, adhesion or dye migration problems.

DISCLAIMER

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