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At **International Coatings** our mission is to provide superior products that create a competitive advantage for you. For hard to print nylon, our nylon series inks have long been recognized as the best.

And now, our new **UltraMix™ 9000 Nylon Color System** allows printers to simulate PANTONE® Colors with high performance nylon inks. This fast flashing plastisol based system works equally well on light and dark colored nylon fabrics, and is well suited for fine detail and half tone printing.

**Thirteen primary colors** plus black and white means fewer ingredients in simulating PANTONE® Colors. Simply look up the desired formulation in the UltraMix™ 9000 ink management software (PC & Mac compatible), mix and print. UltraMix™ 9000 inks offer not only easy to match colors but superior performance and adhesion.

**UltraMix™ 9000** is your competitive advantage when printing on nylon. **International Coatings** is your competitive advantage for outstanding products and superior customer service.

## UltraMix™ 9000

- Outstanding Performance and Adhesion
- 13 Mixing Colors
- Accurate Color Formulas
- User Friendly Formulation and User Guide Software
- Worldwide Distribution
- Superior Service



**International Coatings™**  
Creating Performance Solutions



# UltraMix™ 9000 NYLON COLOR MIXING SYSTEM

- Outstanding Performance and Adhesion
- 13 Mixing Colors
- Accurate Color Formulas
- User Friendly Formulation and User Guide Software
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- Superior Service



9202 9204 9206



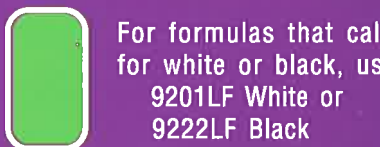
9208 9210 9212



9214 9216 9218



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9228

For formulas that call for white or black, use 9201LF White or 9222LF Black

**General Information.** The UltraMix™ 9000LF\* Nylon Color System for nylon is formulated to provide simulations of the PANTONE Color Standards for light and dark colored nylon fabrics. UltraMix™ 9000 Nylon Color System is a fast flashing, 2-part plastisol based ink specifically formulated for printing onto normally hard to print nylon. UltraMix™ 9000 Nylon System Colors are also well suited for fine detail and half tone printing.

\*LF (Lead Free) Contains less than 0.025% lead.

**Pre-Press: Screen Mesh.** 110-305 m.c./in. (43-120 m.c./cm.) **Emulsion.** Direct, Indirect, or 20-30 capillary film. **Squeegee.** 65-70 Durometer, sharp edge, 45 degree angle to screen. Make sure squeegee blade is smooth.

**Printing Techniques.** The UltraMix™ 9000 Nylon Color System must be mixed with 900LF Catalyst for best adhesion to nylon fabrics. 900LF Catalyst is available in 2 oz. and 8 oz. containers. It should be hand stirred into the ink thoroughly in the following proportions:

By Volume: 16 parts ink to 1 part 900LF Catalyst.

By Weight: 20 parts ink to 1 part 900LF Catalyst.

Ink may be used immediately after mixing. Do not mix more ink and catalyst than is needed for a job. Pot life of mixed ink is 4 to 8 hours. Over-catalyzation will shorten pot life of ink.

For multi-color 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. 9000 Series inks will spot dry, with low after flash tack, in 3 to 8 seconds depending on the spot dryer used. Too much heat or time under heat may cause the ink to become sticky and the fabric to shrink too much. Adjust flash unit accordingly. When spot drying, the ink should be just dry to the touch, with no lift off, but not totally fused. Totally fusing any of the flashed colors may cause inter-coat adhesion problems with the inks printed on top of the flashed ink. Final curing/fusing will occur in the dryer. If necessary, ink may be thinned by volume with 1% to 3% Mineral Spirits or 3% to 5% 1110LF Curable Reducer. It is important not to use reducers that are 100% plasticizer. They may create adhesion problems and make the finished ink film less durable.

**Dryer Temperatures.** 285°F to 325°F (141°C to 163°C). Since UltraMix™ 9000 Nylon Color System plastisols do not air dry, the inks must be fused with an appropriate heat source to become wash fast. The optimum time/temperature cycle will vary with the amount of ink deposited and the fabric and type of heat source used. Plastisols achieve their proper fusion point as soon as the innermost section of the ink film reaches the prescribed temperature. Test dryer temperature before beginning a production run. Wash test product before and during a production run to ensure proper wash fastness of ink.

#### Important Information.

1. In order to achieve the best color matching results using the UltraMix™ 9000 Nylon Color System, the specified primary colors for the system must be used. Using colors other than the specified primaries will produce inaccurate matching results. All of the 9000 Series primary colors may be printed as is, with 900LF Catalyst, or inter-mixed as necessary.
2. The UltraMix™ 9000 inks are not low bleed inks. On some types of fabric, bleeding or dye migration may occur. Always test print the fabric to be printed before beginning production. Bleeding or dye migration may not occur right away.
3. Adjust squeegee pressure, angle and off-contact to insure proper shear and lay down of printed ink. Proper settings of squeegee, flood bar and off-contact will improve print performance, screen life and squeegee durability.
4. Adding too much reducer or other additives to the UltraMix™ 9000 inks may cause curing/fusing, adhesion or increased dye migration problems.

**Clean-Up.** Mineral Spirits or any Environmentally Friendly Plastisol Screen Wash.

**Storage.** Keep containers well sealed when not in use. Keep indoors and store in a cool area. Recommend storage at 65°F to 90°F (18°C to 32°C). Avoid storage in direct sunlight or in extreme temperature conditions. Avoid exposing 900LF Catalyst to moist, humid air. Always use oldest container of catalyst first and tightly seal containers after use.

**Product Packaging / MSDS.** Quart, 1, 5 or 30 Gallon Containers / MSDS8.

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