

# 900 SERIES DIRECT PRINT NYLON INK

INTERNATIONAL COATINGS CO., INC.

13929 East 166th Street • Cerritos, California, USA 90702-7666 • Voice (562) 926-1010 • Fax (562) 926-9486 • www.iccink.com

## GENERAL INFORMATION

A fast flashing, 2 part plastisol based ink, specifically formulated for printing on normally hard to print nylon. This ink has been an industry leader for over 10 years. As easy to use as a conventional plastisol and just as durable.

## RECOMMENDED FABRICS

Nylon, cotton, polyester and cotton/polyester blends. Always test print fabric for adhesion before beginning a production run. 900 Series inks are not low bleed inks. Testing is required for bleed resistance on cotton/polyester blends and 100% polyester.

## INK APPLICATION

The 900LF series inks must be mixed with the 900LF Catalyst before printing. Catalyst is provided in 2 oz. and 8 oz. containers and should be thoroughly hand stirred into the ink to the following proportions:

BY VOLUME = 16 PARTS INK TO 1 PART CATALYST.  
BY WEIGHT = 20 PARTS INK TO 1 PART CATALYST.

1 oz. CATALYST TO 1 PINT OF INK  
2 oz. CATALYST TO 1 QUART OF INK  
8 oz. CATALYST TO 1 GALLON OF INK

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

## SCREEN MESH AND EMULSION

<u>STANDARD COLORS</u>	<u>METALLIC COLORS</u>	<u>PROCESS COLORS</u>
125-230 MONO	86 -160 MONO	200 -355 MONO

955LF SHIMMER = 60 MONOFILAMENT

ANY DIRECT OR INDIRECT LACQUER PROOF EMULSION.

USE 20 TO 30 MICRON CAPILLARY FILM AND RETENSIONABLE FRAMES AT 20 TO 40 NEWTONS FOR BEST RESULTS.

## SQUEEGEE

70-80 DUROMETER: SHARP EDGE

## DRYER TEMPERATURES

300°F to 325°F (149°C to 163°C)

Since the 900LF series inks do not air dry, they must be fused with an appropriate heat source in order to achieve durability. The optimum time/temperature cycle will vary with the amount of ink deposited, fabric, and type of heat source used. Plastisols actually achieve the proper fusion point as soon as the innermost section of the ink film reaches the prescribed temperature. Test dryer temperatures before a production run. Wash test printed product before beginning a production run.

## MODIFYING INK

If necessary, mixed ink may be thinned with 3% to 5%, by volume, of mineral spirits or 3% to 5%, by volume, of 1110LF Curable Reducer. It is important not to use reducers that are 100% plasticizer, because they may decrease adhesion and make the finished ink film less durable.

## CLEAN-UP

Mineral Spirits (White Spirits) or any Environmentally Friendly Plastisol Screen Wash

## PRODUCT INFORMATION

### **COLORS AVAILABLE:**

#### **ALL 900 SERIES COLORS ARE LF\* [LEAD FREE]**

900LF CATALYST**	917LF MAROON
901LF WHITE	920LF CLEAR
902LF BLACK	926LF ATHLETIC GOLD
903LF GOLDEN YELLOW	931LF FLUORESCENT PINK
904LF SCARLET	932LF FLUORESCENT YELLOW
905LF NAVY	933LF FLUORESCENT RED
906LF ROYAL BLUE	935LF FLUORESCENT ORANGE
907LF KELLY GREEN	937LF ATHLETIC DK ORANGE
908LF METALLIC SILVER	938LF FLUORESCENT GREEN
909LF METALLIC GOLD	939LF FLUORESCENT BLUE
910LF ORANGE	952LF ATHLETIC CARDINAL
911LF PURPLE	955LF SHIMMER
912LF BROWN	956LF METALLIC SILVER SHIMMER
913LF LEMON YELLOW	957LF METALLIC GOLD SHIMMER
914LF PROCESS BLUE	966LF ATHLETIC LT. ROYAL
915LF PROCESS MAGENTA	969LF TEAL
916LF PROCESS YELLOW	

\*LF (Lead Free) Contains less than .025% Lead.

\*\*CORRECT AMOUNT OF 900LF CATALYST IS SUPPLIED WITH ORDER.

ADDITIONAL CATALYST MAY BE ORDERED SEPARATELY.

## STORAGE OF INK CONTAINERS

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. It is helpful, on 2 oz. catalyst bottles, to store them upside down to help prevent moisture contamination.

## PRODUCT PACKAGING

QUART, 1 GALLON, or 5 GALLON CONTAINERS.

## PRODUCT MSDS

REFER TO MATERIAL SAFETY DATA SHEET MSDS8.

Recommendations and statements made are based on International Coatings research and experience. Since International Coatings does not have any control over the conditions of use or storage of the product sold, International Coatings cannot guarantee the results obtained through use of its' products. All products are sold and samples given without any representation of warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application. REV83000