

# D-FLO®



## DISCHARGE FLUORESCENT INKS

### GENERAL DESCRIPTION

D-Flo® is a Fluorescent discharge ink. Suitable fabrics are 100% discharged producing an extremely soft-hand. D-Flo® inks produce an exceptionally bright fluorescent color in black light settings. D-Flo® can be used in conjunction with other ink systems to produce multiple effects. D-Flo®'s rheology and flow characteristics allow it to be printed with high mesh counts. This produces very fine image detail and a softer finish.

### ADVANTAGES

- Exceptionally Soft Hand
- Produces Extremely Bright and Crisp Colors
- Low Odor
- Easy Clean-Up
- PVC, & Phthalate Free
- CPSIA Compliant
- Superior Color/ Wash Fastness
- Easy to Use – Low Viscosity
- Dry Cleaning / Ironing Resistant
- Does not “Dry-Out” on the Screen
- Long Pot Life / up to 24 Hours
- Recommend Mesh/Fabric = 125.70 to 355.34 t/in

### QUICK TIPS

- Activate only enough ink for the current job.
- Misting the screen, with water, during high production runs will keep the ink from drying out.

### PREPARATION

Screens must be prepared with water-resist emulsion to prevent stencil breakdown on press. Post-hardening the stencil is recommended for long print runs. Stir in 3-6%, by weight, D-Powder Discharge Activator and mix well. Different percentages of the Activator will affect the discharge results; increase or decrease in order to achieve desired results. Mix only enough for current production requirements. Activated D-Flo® should be used within 8 hours. If using, mix in pigment to base at the desired shade or level. 1-10% is normal for standard pigments and up to 20% for Fluorescent pigments. D-Flo® may be thinned with water, if a lower viscosity is required, up to 10% max.

### APPLICATION

The mesh/fabric count that is being used will determine how much squeegee pressure should be used. Typically heavy squeegee pressure is preferred. Print wet-on-wet without flash curing. Misting the on-press screens occasionally with water during long print runs is helpful. The printed fabric should be cured for a minimum of 90 seconds at 320 °F. Ideally the printed fabric should be cured for 2-3 minutes at 340-350°F. High volume forced air is recommend during curing. Do not allow the print to dry before curing in an oven; the more moisture available, the better discharge result. Proper curing is extremely important. Degree of discharging and color/wash fastness is dependent on proper curing. The activator will give off a strong odor, this is normal. Heat curing must be complete in order to assure the fabric does not retain the activator odor, re-curing may be required. Add CCI's EnviroLine® Retarder up to 5% to provide more open time of the wet ink to prevent drying in the screens.

### WASH-UP

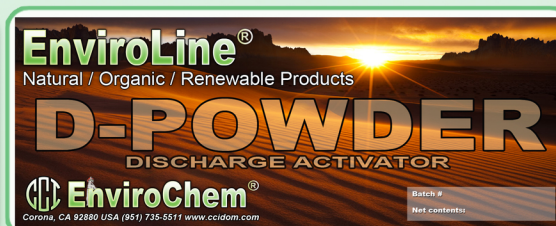
General wash-up, on ink that has not dried up, can be done with water. CCI's EnviroSolv® should be used for an on-press cleaner and screen opener. Specialty products like CCI's WB-1 are ideal for dried up ink and tough haze stains left behind on the fabric.

### NOTE

Always pre-test for complete cure, durability, and other specific requirements. Not all fabrics are dyed with dischargeable dyes. Certain chemical residues may remain on the printed fabrics. Fabric printed with D-Flo® should be either washed before packaging, or labeled accordingly to alert the buyer or customer that the garment should be washed prior to use.

### PACKAGING

- Quart (2 lb. container)
- Gallon (8 lb. pail)
- 5 Gallon (40 lb.pail)
- 55 Gallon (440 lb.drum)



# EnviroLine®

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1850 Wild Turkey Circle Corona, CA 92878 USA (800) 753-5095