

PRODUCT DESCRIPTION:

MATSUI DISCHARGE INK (DSPS Binder + Pigments) makes it easy to print bright images on reactive-dye dark garments. Extremely soft-hand prints are possible since there are NO plasticizers present in this formula.

RECOMMENDED MESH/EMULSION: 110-180T Mesh, Water-resistant emulsions. (For long runs, stencil hardener is recommended.)

DSPS INK USE AND PREPARATION:

OPTION1. DSPS Binder can be used alone for a “bleach-only” effect to leave just the natural cotton fiber color after curing. Add 6% ZFS Discharge Agent before printing. Mix only enough for production; activated ink is not recommended for use after 24-36 hours.

OPTION2. Add NEO or PC Concentrate Pigments to the DSPS Binder at 3-12% to make it into a premixed discharge ink that will leave that color in your image after complete curing. ZFS Discharge Agent is also added as shown above.

PRINT TECHNIQUES:

Force the ink well into the substrate with heavy squeegee pressure. Print wet-on-wet without flash curing. The color values of the inks will appear after curing. Mist the screen occasionally with water to maintain the ink viscosity during long printing runs.

CURING:

Cure for a minimum of 90 seconds at 320° F (160° C) to activate the discharge reaction and produce a washable print. Often, it requires several passes through a conveyor oven to sufficiently evaporate moisture and fully discharge.

Important Note on Curing:

Proper curing is EXTREMELY IMPORTANT. Poor wash-resistance of the print can generally be traced back to improper curing! It is important to understand how to set your dryer and check the temperature you are achieving using an accurate measurement device like a Temperature Gun.

WASH-UP: Washes up with water. Use. CCI Envirosolve as a screen opener spray.

NOTES: Always pre-test for complete cure, durability, and other specific requirements. Not all garments are dyed with dischargeable dyes. The printer must test inks containing DSPS + Pigments on the garment before using it in production to determine if the dyes in that garment will discharge. It is the printer’s response ability to test all discharge inks to determine their fitness for use with your garments, and printing conditions. We recommend that dye-discharge garments be washed before wearing.

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