



WATER-BASED DISCHARGE SYSTEM & BURNOUT SYSTEM PRODUCT LIST AND APPLICATION INFORMATION

Matsui's Water-Based Discharge System offers three distinct discharge agents, two formaldehyde based discharge agents for use on 100% cotton dischargeable fabrics with reactive dyes, and a discharge agent for indigo dyed fabrics and denim.

PRODUCT LIST:

DSPS Binder – Discharge System for reactive dyes. DSPS contains formaldehyde in the discharge agent. This is an excellent, highly pigmented discharge system.

DSK Binder – Discharge System for reactive dyes. DSK contains formaldehyde in the discharge agent. DSK contains no resins so it cannot be printed mixed or printed with pigments. DSK is an excellent stand alone discharge system and perfect for use as a discharge under-base on dark fabrics.

DSM-2 Binder – Discharge System for reactive dyes. DSM-2 contains formaldehyde in the discharge agent. It can be used with or without pigments.

PRINTGEN OP30-PS – Burnout System for poly/cotton blend fabrics. Printgen OP30-PS dissolves the cotton fibers in the fabric leaving only the polyester fibers behind. The Printgen OP30-PS produces great looking 3-D and See-through effects on fabrics.

FIXER N - An ECO-friendly, formaldehyde free fixing agent that improves wash fastness in all Matsui Discharge Systems. Can be mixed 2-3% (by weight) into any Matsui Water Based ink.



APPLICATION TECHNIQUE FOR 100% COTTON DISCHARGEABLE FABRIC WITH REACTIVE DYES**

<u>MESH</u>	80-160
<u>STENCIL</u>	A water proof direct emulsion or capillary film should be used for optimal performance.
<u>SQUEEGEE</u>	60-80 Durometer square edge
<u>MIXING</u>	Mix 10% or less pigment with 100% discharge binder making sure to mix pigment into binder before mixing in the discharge agent. Discharge agent should be mixed 10% into 100% discharge binder (by weight). Fixer N can be added to improve wash fastness.
<u>PRINTING</u>	Once discharge agent is mixed into the discharge binder (with or without pigment) print directly on fabric, flash cure and print Matsui 301 Eco-Series inks directly on top (wet on wet)..
<u>DRYING</u>	Matsui Water-Based Discharge System ink must be heat cured for 2.5 – 3 minutes at 300 to 320 degrees F.
<u>CLEAN UP</u>	Use water and mild soap to wipe screens, screen frames and squeegees and any surfaces in contact with ink.