



PRODUCT DATA SHEET

WB BASES

DIS-BSE

Ready For Use Discharge Base

Product Overview:

DIS-BSE Ready For Use Discharge Base is a water base clear designed to be used as a base for pigments (WBX color matching) and as a standalone clear discharge ink. DIS-BSE is ideal for use on all colored garments including cottons, terry cloth, towels and some 50/50 blends. Do not leave DIS-BSE sitting in your screen for long periods of time as it can dry out. When activated with DIS-ACT Activator, your mixed/activated ink will have an 8 hour shelf life. It is strongly recommended to only add DIS-ACT to what you will use for that job, during that shift.

Printing:

DIS-BSE can be run on both manual and automatic presses. Pigment loading should not exceed 5% by weight with the WBX Mixing System pigments. If you do exceed 5% please follow directions in the WB-BNDR data sheet. Also, if using the WBX mixing system software, follow the directions under color boost for the appropriate amount of additives needed for proper ink balance.

To activate the discharge ability of the ink, add **6% by weight** of DIS-ACT Activator to your final mixed product. DIS-BSE will print well through screen meshes in the range of 60-160 TPI (23-63 TPcm). DIS-BSE will print through higher mesh counts, however, the screen will be more prone to having the ink "dry in" and the fine details and dots will be lost. Screens stretched to a minimum of 25 newtons are recommended. If using lower tension screens, adjust off contact accordingly. If drying occurs when printing, follow the directions on the WB-LUB to increase screen open time. Also if needed, to make sure enough ink penetrates the shirt fibers, follow the directions in the WB-PEN data sheet.

Depending on the dye quality of your garments, you will use one of two print techniques. If the dyes in your garment are easily dischargeable (you know this because you tested your garment, right?) then print as normal with no modifications to your flood or print stroke. If the dyes in your garment are more difficult to discharge, then you want to really drive the ink into the garment using a hard print/flood technique. This way the water base ink actually penetrates deeper inside the fibers, guarantying a better discharge of the garment. A 60/90/60 or 70 durometer sharp squeegee is recommended; test what type of blade gives you the best result. Always print with a print/flood technique, keeping your image area wet. This will assure your screens stay clear as long as possible. **Warning:** Always pre-test the dischargeability of your garments by printing a small swatch near the hem on the inside of the garment. Not all garments that are sold as dischargeable will discharge completely.

Stencil:

Any high solids water resistant/discharge ready liquid emulsion or capillary film will work.

Flashing:

N/A

Curing:

Cure for 3-5 min at 320 degrees Fahrenheit. Make sure the ink is still wet going into the dryer chamber. This will assure the best discharge possible. **ALL** the water must evaporate from the ink before it will cure. Always test prior to production.

Cleanup:

Use any of the commercially available products for the cleanup of water base inks. Warm water and soap works as well.