

IMS1225 Mixing Base Plastisol

Description

ImageStar Mixing Base plastisol is a Non Phthalate mixing base designed to be used with pigment concentrates and other mixing colors. It can be used to print on 100% cotton or 50% cotton/ 50% polyester blended textiles. The IMS1225 Mixing Base can be used to create simulated Pantone® colors when using a pigment color system. This product is designed with a creamy texture and features excellent printability, fast flash, and a smooth surface.

Preparation

Screen preparation when printing plastisol ink systems can vary depending on print run and design. Most stencil systems can be used with plastisol inks. To develop a higher profile or larger ink deposit, use a high solids emulsion or thick film to build the stencil profile. Mixing Base plastisol can be printed through a variety of mesh counts from 83 to 305 mesh.

Application

ImageStar Mixing Base will create a semi-gloss look if printed direct from the bucket. It can be reduced with soft hand to create a matte look. Using a color system and formula guide colors once mixed will flash in 2 to 4 seconds and can be printed wet on wet. Plastisol can be printed with a variety of squeegees, with softer squeegees producing a higher ink profile.

Curing

Curing plastisol is critical and must be completed to assure wash fastness. Plastisol inks will never dry and must reach a cure temperature of 320° F on the ink film. Gas dryers with forced air will provide the most efficient and consistent results. Curing should be checked periodically throughout the print run with a thermal probe. Wash testing is always the best test prior to production. Under-cured plastisol will wash off the garment and or crack and crock.

Wash-up

General ink removal from the screen can be done with most textile screen wash products. However, a good rule of thumb on chemistry for clean-up is to use press wipes for color changes and a screen wash or ink degradents prior to reclamation. Even after using a press wipe to remove the ink, an ink degradent or screen wash should be used prior to any water being applied to the screen. This will help reduce or eliminate most ghost haze stains. If staining still occurs, most screen chemical haze removers can remove it during the reclamation process.

Note: Always test final cure on different fabrics as some fabrics can hold less heat and thus absorb some of the heat from the ink film. Testing the surface of the ink film is always the most accurate measure of cure.