



Unimatch Color Matching System (MACH/PTHF)

Medium opacity mixing system for printing on underbases and white garments.

Applications

- For mixing accurate and intense colors.
- For wet-on-wet direct printing on white, light colored shirts or underbase whites.

Features

- Pantone®-licensed matches for white garments.
- Low build-up formulations.
- Satin finish and soft hand.
- Excellent color intensity when printed through fine mesh counts.

General Information: Unimatch is a state of the art, Pantone® licensed opaque mixing system. Containing 15 components, all formulated to create intense, bright colors with low build up. Unimatch's unique low buildup and superior wet on wet printing characteristics make flash curing (underbase excluded) virtually unnecessary and make it a perfect choice for both manual and automatic presses. Printers have reported extremely successful results printing 10 colors wet on wet on top of a flashed underbase when proper off-contact, retensionable frames, medium to hard squeegees and fine mesh counts are utilized. The system features opaque formulas allowing printers the choice of printing through fine mesh counts in order to increase print sharpness and reduce print costs, excellent matte down characteristics to help fight fibrillation on light colored garments, and a pleasing satin finish and soft hand.

Opacity: Unimatch inks are medium-opacity.

Mesh: Unimatch inks are formulated to print through finer mesh counts thus increasing ink mileage and reducing ink costs. Inks mixed according to Unimatch formulas are designed to reproduce PANTONE® colors accurately when printed through a 230 (92 metric) monofilament mesh. See "Printing Instructions" on Unimatch Technical Data Sheet for greater detail concerning mesh counts.

Stencils: Use any direct emulsion or capillary film.

Additives: Unimatch inks are supplied ready to mix. Since plastisol inks "body up" as they sit in the container you should always stir them well to determine the actual viscosity before adding any reducer. Reducing the ink usually reduces the opacity. If you wish to reduce the ink viscosity use Viscosity Reducer (PLRE-9000). To extend the ink or to soften the hand further use only Unimatch Soft Hand Extender Base (MACH/PTHF-9070).

Color Mixing Instructions: The formulas and instructions for simulating the standard PANTONE® "C" colors are available from Union Ink both in booklet form (The Unimatch Formulation Guide) and Unimix, a Windows based software program.

Curing Instructions: Unimatch inks will fully cure and withstand repeated washings when the entire ink deposit reaches 300° F (149° C).

Wash-Up: Mineral spirits or any screen wash designed for plastisol inks.

Caution: Always test this product for curing, adhesion, crocking, opacity, washability and other specific requirements before using in production.

Standard Colors

- MACH/PTHF-1000 White
- MACH/PTHF-2000 Yellow
- MACH/PTHF-2050 Orange
- MACH/PTHF-3000 Red B/S
- MACH/PTHF-3005 Red Y/S
- MACH/PTHF-4006 Violet

Standard Colors Cont.

- MACH/PTHF-4008 Cerise
- MACH/PTHF-5000 Blue G/S
- MACH/PTHF-5004 Blue R/S
- MACH/PTHF-6000 Green
- MACH/PTHF-8000 Black
- MACH/PTHF-F210 Neon Yellow

Standard Colors Cont.

- MACH/PTHF-F310 Neon Red
- MACH/PTHF-F410 Neon Magenta
- MACH/PTHF-F410 Neon Magenta
- MACH/PTHF-F510 Neon Blue

Additives

- PLRE-9000 Reducer/Detackifier
- MACH/PTHF-9070 S.H. Extender