Wilflex™

e MX Color Matching

Wilflex™ Epic MX color mixing system is specially formulated with non-phthalate plasticizers. It is an easy-to-use, easy-to-mix color mixing system with 17 intermixable colors that enable printers to produce PANTONE® simulations. Epic MX inks are suitable for high production, wet-on-wet printing, offering a matte finish and excellent crock resistance.

Highlights

▸ Epic colors match the MX Mixing colors.
▸ Soft hand prints.
▸ Matte finish.
▸ Developed to be printed wet-on-wet at high production speeds with exceptional resistance to build-up.
▸ 17 intermixable colors

▸ 11888PFX Epic PF Mixing White
▸ 19888PFX Epic PF Black
▸ 38888PFX Epic PF Orange
▸ 48881PFXNM Epic Red NM
▸ 48888PFX Epic PF Red
▸ 48889PFX Epic PF Magenta
▸ 58888PFX Epic PF Violet
▸ 68888PFX Epic PF Marine
▸ 68889PFX Epic PF Blue

▸ 78888PFX Epic PF Green
▸ 88881PFXNM Epic Yellow NM
▸ 88888PFX Epic PF Yellow
▸ 98880PFX Epic PF Fluorescent Pink
▸ 98884PFX Epic PF Fluorescent Red
▸ 98885PFX Epic PF Fluorescent Purple
▸ 98886PFX Epic PF Fluorescent Blue
▸ 98888PFX Epic PF Fluorescent Yellow

Printing Tips

▸ When blended according to formulations, colors will vary in opacity from translucent to semi-opaque.
▸ Colors will reproduce best on white or light grounds.
▸ For cotton fabrics, underbase with 11335PFW Epic Sprint White. For bleed resistance, use an underbase white such as 11835PFW Epic Quick White, 11117PFW Epic Polywhite, or 11195PFW Epic Athletic LB White.

Compliance

▸ Non-phthalate.
▸ For individual compliance certifications, please visit www.wilflex.com/compliance.

Precautions

▸ Perform fusion tests before production. Failure to cure ink properly may result in poor wash fastness, inferior adhesion and unacceptable durability. Ink gel and cure temperatures should be measured using a Thermoprobe placed directly in the wet ink film and verified on the production run substrate(s) and production equipment. It is the responsibility of the printer to determine that the correct ink has been selected for a specific substrate and the application processes meet your customer's standards or specifications.
▸ For consistency, all formulas provided were printed through 156 t/in (62 t/cm) mesh screen on white, 100% cotton fabric for color approval. Wilflex EPIC Mixing Inks can, however, be printed through a range of meshes between 110-305 t/in (43-120 t/cm). Variation in screen mesh and ink deposit can result in variation in depth of color and opacity.
▸ Reducing viscosity will adversely affect opacity.
▸ Avoid over flashing as it can result in poor intercoat adhesion of colors.
▸ Stir plastisols before printing.
▸ Do not dry clean, bleach or iron printed area.
▸ **NON-CONTAMINATION OF EPIC INKS:** Do not add or mix non-Epic inks, additives or extenders with Epic inks. All buckets, palette knives, stirring apparatus, squeegees, flood bars and screens must be cleaned properly and free of phthalates and pvc containing inks. Non-phthalate emulsions and pallet adhesives must be used. Failure to follow these precautions may cause phthalate contamination in violation of consumer protection laws and regulations.
▸ Any application not referred in this product information bulletin should be pre-tested or consultation sought with Wilflex Technical Services Department prior to printing.
▸ Email: techserviceswilflex@polyone.com

Recommended Parameters
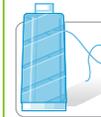
Fabric Types
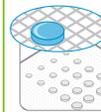100% cotton, cotton blends, some synthetics

Mesh
Counts: 110-305 t/in (43-120 t/cm)
Tension: 25-35 n/cm²

Squeegee
Durometer: 60-80, 70/90, 70/90/70
Edge: Sharp
Stroke: Fast
Do not use excess squeegee pressure.

Non-Phthalate Stencil
Direct: 2 over 2
Capillary/Thick Film: N/A
Off Contact: 1/16" (.2cm)

Flash & Cure Temperatures
Flash: 160°F (70°C)
Cure: 300°F (150°C)

Pigment Loading
EQ: N/A
MX: Use IMS System.
PC: N/A
All percentages listed at % by weight.

Epic Additives
Extender: Epic Extender Base-10% max
Reducer: Epic Viscosity Buster-3% max
All percentages listed at % by weight.

Storage
65-90°F (18-32°C)
Avoid direct sunlight.
Use within one year of receipt.

Clean Up
Ink degradent or press wash.

Health & Safety
MSDS: www.polyone.com or
Contact your local CSR.

MX Color Matching : 06.2012V1

PolyOne Wilflex™ inks by PolyOne.

www.wilflex.com/pib

GENERAL PURPOSE | MIXING SYSTEM