

C MX Color Matching

Wilflex MX color mixing system is an easy-to-use, easy-to-mix color mixing system with 15 intermixable colors that enable printers to produce PANTONE® simulations. MX inks are suitable for high production, wet-on-wet printing, offering a matte finish and excellent crock resistance.

Highlights

- ▶ Compliant with CPSIA (Consumer Product Safety Improvement Act) 2008
 - ▶ Section 101, Lead Content in Substrates (<300 ppm lead);
 - ▶ 16 CFR, Part 1303, Lead in Paint (<90 ppm lead).
- ▶ 15 intermixable finished ink colors.
- ▶ Soft hand prints.
- ▶ Matte finish.
- ▶ All MX mixing inks were developed using the Genesis technology.
- ▶ All MX mixing colors are developed to be printed wet-on-wet at high production speeds with exceptional resistance to build-up.
- ▶ 11888MX White ▶ 88888MX Yellow
- ▶ 19888MX Black ▶ 98880MX Fluorescent Pink
- ▶ 38888MX Orange ▶ 99884MX Fluorescent Red
- ▶ 48888MX Red ▶ 98885MX Fluorescent Purple
- ▶ 48889MX Magenta ▶ 98886MX Fluorescent Blue
- ▶ 58888MX Violet ▶ 98888MX Fluorescent Yellow
- ▶ 68888MX Marine
- ▶ 68889MX Blue
- ▶ 78888MX Green

Printing Tips

- ▶ For best results, follow the recommended Printing Parameters.
- ▶ When blended according to formulations, resulting colors vary in opacity from translucent to semi-opaque.
- ▶ Colors will reproduce best on white or light fabrics.
- ▶ On dark garments an underbase may be required. 11335WHT Sprint White or 11122WHT Artist Plus White may be used as an underbase and highlight white for 100% cotton only. If bleed resistance is required, use 11835HT Quick White, 11480HT Bright Tiger or 11117HT PolyWhite.
- ▶ Avoid excessive squeegee pressure.

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.

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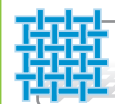
Printing Parameters

Opacity	5	
Bleed Resistance	n/a	
Smooth Surface	9	
Flash	7	
Gloss	5	
Printability	9	



Fabric Types

100% cotton, cotton blends, some synthetics



Mesh

Counts: 110-305 t/in (43-120 t/cm) recommended

Tension: 25-35 n/cm² recommended

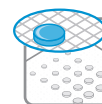


Squeegee

Durometer: 60-80, 70/90, 70/90/70

Edge: Sharp

Stroke: Fast
Avoid excess pressure



Stencil

Direct: 2 over 2

Capillary/
thick film: N/A

Off contact: 1/16"



Gel/Cure Temperatures

Gel Temp: 160-180 F (71-82 C)

Cure Temp: 320 F (160 C) entire film



Pigment Loading

N/A



Additives

Extender: 10150FNS Finesse

Reducer: 3% max - 10025VB QEC
Viscosity Buster



Storage

65°-90°F (18°-32°C)

Avoid direct sun.

Use within one year of receipt.



Clean Up

Wilflex Screen Wash



Health & Safety

MSDS: www.polyone.com

MX Precautions (continued)

- ▶ 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 MX Inks can, however, be printed through a range of meshes between 110T and 305 t/in (43-120 t/cm). Variation in screen mesh and ink deposit can result in variation in depth of color and opacity.
- ▶ Avoid over flashing as it can result in poor inter-coat adhesion of colors.
- ▶ Reducing viscosity will adversely affect opacity.
- ▶ Stir before printing.
- ▶ Do not dry clean, bleach or iron printed area.
- ▶ Any application not referred in this product bulletin should be pre-tested or consultation sought with Technical Services Department prior to printing.
- ▶ Email: techserviceswilflex@polyone.com