Epic EQualizer Color Matching

Wilflex Epic EQualizer color mixing system is an easy-to-use, easy-to-mix color mixing system with 15 intermixable balanced colorants and a base. Epic EQualizer color matching enables printers to produce PANTONE® simulations. Epic inks made with Epic EQualizers are suitable for high speed, wet-on-wet printing, offering a matte finish and excellent crock resistance.

Highlights

- Non-phthalate.
- 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); and CPSIA 2008, Section 108, Phthalates (<.1% DEHP, DBP, BBP, DINP, DIDP, DNOP).
- Eco-Passport Certified.
- 15 Epic EQualizers and Epic Mixing Base
- Soft hand prints
- Matte finish
- Can be mixed with Epic Texture bases to make vibrant texture prints.
- EPIC PC Express is developed to be printed wet-on-wet at high production speeds with exceptional resistance to build-up.

- 71011PC Epic Equalizer PC White
- 71045PC Epic Equalizer PC Maroon
- 71047PC Epic Equalizer PC Magenta
- 71057PC Epic Equalizer PC Violet
- 71068PC Epic Equalizer PC Blue
- 71070PC Epic Equalizer PC Green
- 71087PC Epic Equalizer PC Yellow
- 71094PC Epic Equalizer PC Velvet Black
- 71130PC Epic Equalizer PC Bright Orange
- 15000PFB Epic Mixing Base

- 71165PC Epic Equalizer PC Marine Blue
- 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
- 71145PCNM Epic Equalizer PCNM Red
- 71187PCNM Epic Equalizer PCNM Yellow
- 71160PC Epic Equlizer PC Bright Blue

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.
- For 100% Cotton garments, use 11335PFW Epic Sprint White as an underbase and highlight white. If bleed resistance is required, use 11835PFW Epic Quick White or 11117PFW Epic 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.
- When formulating customer formulas use Wilflex Ink Room Management Software to ensure formulas are balanced for optimal print, wash and cure performance.
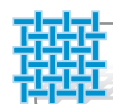

Printing Parameters

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

Fabric Types
100% cotton, cotton blends, some synthetics

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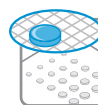Counts: 110-305 t/in (43-120 t/cm) recommended
Tension: 25-35 n/cm² recommended

Squeegee
Durometer: 70/90, 70/90/70
Edge: Sharp
Stroke: Fast
Avoid excess pressure

Stencil non-phthalate
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
Use IMS Ink RoomManagement Software to ensure formula is balanced.

Additives
Extender: 10000PFX Epic non-phthalate extender ONLY
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

▶ 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 Equalizer 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.

▶ NON-CONTAMINATION OF EPIC INKS

   ▶ Do not add or mix non-Epic inks, additives or extenders with the Epic ink products.

   ▶ When mixing, all buckets, palette knives and stirring apparatus must be cleaned properly and free of phthalate containing inks. All squeegees, flood bars and screens must be cleaned properly to remove phthalate containing inks before printing Epic.

   ▶ Non-phthalate emulsions and pallet adhesives must be used.

▶ 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

Related products

▶ 11335PFW Epic Sprint White

▶ 11835PFW Epic Quick White

▶ 11117PFW Epic PolyWhite

▶ 11195PFW Epic Athletic LB White

▶ 11889PFW Epic Hilite White