

## Epic™

Wilflex™ Epic puts the most advanced non-phthalate ink technology to work for you. Simple to use and easy to print, Epic inks are based on well-known and time-tested formulations from our classic line of inks. The Epic line now features a full range of products including; a finished ink mixing system, a base and pigment mixing system, texture inks, specialties, metallics, and others. For market conditions that require non-phthalate inks, make the move to Wilflex Epic.



### Product Highlights

- ▶ Formulated without phthalates
- ▶ Eco Passport certified (EKEO Tex 100 Standard)
- ▶ Excellent on-press performance
- ▶ Simple to use
- ▶ Easy to use color mixing systems for accurate Pantone® simulations and custom color formulations
- ▶ Excellent high-speed wet-on-wet printing
- ▶ Smooth satin finish
- ▶ Proven technology platform
- ▶ Supports a wide range of specialty products and applications

### Product Benefits

#### Save time

- ▶ No special setups or screens required
- ▶ Mix colors faster and more accurately, first time - everytime
- ▶ Reduced downtime by leaving inks in the screens during breaks and end of the day closing

#### Reduce waste

- ▶ Epic inks will not dry in the screen or in the bucket
- ▶ Reduce unused ink inventories by using a color mixing system
- ▶ Compatible with spot gun to remove unwanted ink blemishes

#### Improve productivity

- ▶ Print more shirts in less time with high speed production
- ▶ Minimal build-up means less downtime cleaning screens
- ▶ Stable ink formulations maintain color balance on press
- ▶ Start and stop production, as needed, without cleaning screens



### Commonly Asked Questions

#### How is Epic different from the ink I use now?

Epic is our highly productive, flexible and proven ink technology that is manufactured without phthalate plasticizers.

#### What are phthalates?

Phthalates are a class of commonly used plasticizers used to create a flexible plastic film. Plasticizers are used in inks to add flexibility, softness and elongation. While phthalate and non-phthalate plasticizers provide similar functionality, they are differentiated by their chemical structure.

#### Will Epic inks look and feel like conventional plastisol inks?

Yes! The inks have been formulated to offer similar characteristics including printing techniques, press setups, and cure temperatures/times. Please review the PIB for product-specific details.

#### Can I mix Epic with other inks or additives?

To avoid contamination, Epic inks should only be used with similar non-phthalate products.

#### What about cross contamination?

Proper precautions and procedures must be followed to ensure the non-phthalate integrity of the Epic inks. Cross contamination can occur in multiple locations in the production environment.



## Product Listing

### Base (Special Effects)

15000PFB.....Epic PF Mixing Base  
 10005PFX.....Epic PF Stretch Base  
 10000PFX.....Epic PF Extender Base

### Clears

10000PFXBB.....Epic Brittle Clear  
 10008PFX.....Epic Special Effects Clear  
 1110PFCLR.....Epic HD Clear

### Color Mixing System (PC Express)

61011PC .....Epic Extra White PC  
 61094PC.....Epic Velvet Black PC  
 61130PC.....Epic Bright Orange PC  
 61806PC.....Epic Electron Red PC  
 61045PC.....Epic Maroon PC  
 61047PC.....Epic Magenta PC  
 61057PC.....Epic Violet PC  
 61165PC.....Epic Marine Blue PC  
 61068PC.....Epic Blue PC  
 61070PC.....Epic Green PC  
 61087PC.....Epic Bright Yellow PC  
 61801PC.....Epic Electron Blue PC  
 61800PC.....Epic Electron Yellow PC  
 61904PC.....Epic Fluo. Pink PC  
 61908PC.....Epic Fluo. Purple PC  
 61145PCNM .....Epic Red B/S PCNM PC  
 61187PCNM.....Epic Yellow PCNM PC  
 Epic PC Express Starter Kit (pt./5G base)  
 Epic PC Express Kit w/5G Base (qt./1G base)

### Color Mixing System-(MX Finished Ink)

11888PFX.....Epic PF White  
 19888PFX.....Epic PF Black  
 38888PFX.....Epic PF Orange  
 48888PFX.....Epic PF Red  
 48889PFX.....Epic PF Magenta  
 58888PFX.....Epic PF Violet  
 68888PFX.....Epic PF Marine  
 68889PFX.....Epic PF Blue  
 78888PFX.....Epic PF Green  
 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  
 88881PFXNM.....Epic Yellow NM  
 48881PFXNM.....Epic Red NM  
 Epic MX Starter Kit (qts.)

### Texture Base

10250PFXNPF.....Epic Nupuff Base  
 10399PFXNB.....Epic Nova Base  
 10425PFXNS.....Epic Natural Suede Base  
 10460PFXBB.....Epic Brittle Base  
 10650PFXSCP.....Epic Sculpture Base  
 10670PFXRB.....Epic Rock Base  
 10700PFXPB.....Epic Plush Base  
 18000PFXCB.....Epic Cork Base  
 10340PFXFSB.....Epic Fashion Soft Base

### Process Color Set

69850PFX.....Epic Process Cyan  
 49850PFX.....Epic Process Magenta  
 89850PFX.....Epic Process Yellow  
 19850PFX.....Epic Process Black

### Speciality

15330PFX.....Epic Silver Glitter  
 89010PFX.....Epic Gold Glitter  
 10988PFX.....Epic Liquid Silver  
 10989PFX.....Epic Liquid Gold  
 15370PFX.....Epic Silver Shimmer  
 85470PFX.....Epic Brt. Gold Shimmer  
 85570PFX.....Epic Ultra Gold Shimmer  
 15340PFX.....Epic Yellow Sparkle  
 99900PFX.....Epic Phosphorescent  
 99950PFX.....Epic Cosmic Glo  
 99951PFX.....Epic Intense Cosmic Glo

### Whites

11000PFW.....Epic LB White  
 11001PFW.....Epic Cotton White  
 11000PFXBB.....Epic Brittle White

### Additives

10250VB.....Viscosity Buster  
 10180Q1EA.....QuantumOne Emboss Additive  
 10840Q1SHA.....QuantumOne Soft Hand Additive  
 10150Q1FRC.....QuantumOne FR Concentrate  
 10180PFXFRA.....Foil Resist Additive

## Analytical Report Summary

Bureau Veritas (Consumer Product Services Germany GmbH-ecb ONLINE) Laboratory accreditation – qualified to ISO /IEC 17027, EN 45001. EU accreditation No AKS-P-21303 –EU. Review ecb ONLINE report for Epic ink test method and results.

### Phthalates:

DINP, DEHP, DNOP, DODP, BBP, DBP: Non-detected.

### Heavy Metals:

Cadmium, Chromium, Lead, Mercury: Non-detected.

### Organotin:

Tributyl tin (TBT), Triphenyl tin (TPHT), Monobutyl tin (MBT), Dibutyl tin (DBT), Tetrabutyl tin (TeBT), Monoctyl tin (MOT), Dioctyl tin (DOT): Non-detected.

### Formaldehyde:

ISO 14184: Non-detected or below RSL quantity (Fluo's only).

EN71: Garments to be printed with Epic for children's wear, which may be chewed or sucked complies with EN71 Part 3: 1988 Safety of Toys –Specification for Migration of Certain Elements.

APEO'S (alkylphenol ethoxylates): PolyOne does not intentionally use nonylphenol ethoxylates (NPE), octylphenol ethoxylates (OPE) or alkylphenol ethoxylates (APEO) as a component in Wilflex inks. This statement is based upon information supplied to us by our suppliers and not actual product testing.