Wilflex™

Product Information Bulletin

Recommended Parameters

10988PFXLS Epic Liquid Silver

Wilflex™ Epic Liquid Silver is a non-phthalate, opaque vibrant metallic shine ink that can be used with both flat and high density graphics. Epic Liquid Silver can be used straight out of the container or mixed with other Wilflex Epic inks.

Highlights

- Super-shine metallic ink.
- Can be used straight out of the container.
- Excellent stretch properties.
- Epic Liquid Silver can be printed on all colored fabrics with dark colored fabrics giving best results.

Printing Tips

- For the most vibrant metallic color, use Epic PCs. Mixing a finished ink into the silver will create a more matte and dull finish.
- Best results achieved using recommended mesh counts.
- Single print or print-flash-print can be used to apply ink to fabric.
- Print a clear ink over Liquid Silver to help protect surface from abrasion.
- For best results, evaluate the entire handling of garments that contain metallic inks including; printing, curing, stacking hot shirts and packaging of hot shirts, and handling where abrasion to the surface may occur.

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.
- Metallic inks reflect infrared heat and a forced air dryer is recommended to achieve proper cure of the entire ink deposit.
- Metallic inks are very susceptible to abrasion of the ink surface. This may result in particles rubbing off, discoloration and/or dulling of the image—even if the ink is fully cured.
- Avoid contact between metallic inks and other inks that have a sticky surface (hot or cold). Metallic flakes transfer onto sticky surfaces even if the ink is cured.
- For best results, follow guidelines for proper cure of entire ink film. Hand wash garments in cold water with a non-phosphate soap, such as Woolite. Avoid using a tumble dryer. Hang or air dry garments to avoid surface abrasion.
- Label garments with suggested wash instructions.
- 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.
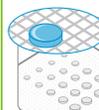- Email: techserviceswilflex@polyone.com

Fabric Types
100% cotton, cotton blends

Mesh
Counts: 86-230 t/in (34-91 t/cm)
Tension: 25-35 n/cm²

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

Non-Phthalate Stencil
Direct: 2 over 2
Capillary/Thick Film: up to 400 microns
Off Contact: 1/16" (.2cm)

Flash & Cure Temperatures
Flash: 220°F (105°C)
Cure: 320°F (160°C)

Pigment Loading
EQ: 10% max
MX: 10% max
PC: 5% max
All percentages listed at % by weight.

Epic Additives
Extender: N/A
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.

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