

10080FRA EC Foil Resist Additive

Mix Wilflex™ Foil Resist Additive with most plastisol inks to create a printable ink that resists foil adhesion. Used correctly, Foil Resist Additive should have minimal impact on the ink's normal printing parameters.

Highlights

- ▶ Works with a variety of fabrics and plastisol inks, excluding white inks.
- ▶ Effectively resists foil adhesion.
- ▶ Easily mixes into plastisol inks.
- ▶ Maintains the original flash and viscosity print properties of the ink.
- ▶ Produces a soft, smooth surface.
- ▶ Odorless.

Printing Tips

- ▶ Mix up to 10% by weight into Epic inks.
- ▶ Ensure that Foil Resist Additive is thoroughly mixed into ink(s) before printing.
- ▶ Inks mixed with Foil Resist Additive can also be used for non-foil printing applications.
- ▶ Use consistent, high-tensioned screen mesh to optimize performance properties.
- ▶ When possible, print and flash foil adhesive inks before printing foil resist colors. Printing foil resist colors last in the sequence will reduce exposure to flash heat and adhesion to other screens.
- ▶ Colors mixed with Foil Resist Additive should be printed wet-on-wet whenever possible to reduce the potential of overheating the ink.

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.
- ▶ Perform foil adhesion and wash test before beginning production. Specific foil adhesion tests should be conducted with any high density, special effect or particle containing inks.
- ▶ Avoid excessive heat in the flashing and curing processes. Excessive heat may decrease the effectiveness of the Foil Resist Additive. Adjust the time and temperature settings for the flash station and dryer to reach minimal ink gel and full cure temperatures respectively.
- ▶ Not recommended for use with MCVFF-E, SSVFF-E, or other fast fusion inks.
- ▶ DO NOT ADD higher levels of Foil Resist Additive to white inks. Most white inks will not resist foil adhesion, even with 10% of Foil Resist Additive.
- ▶ For best results, apply foil within 24 hours of printing. Foil applications after 24 hours may produce inconsistent or undesirable results.
- ▶ If Foil Resist Additive is used as a separate printing screen, apply foil with heat press and check for wicking into fabric.
- ▶ 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



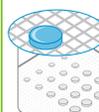
Fabric Types
100% cotton, cotton/poly blends



Mesh
Counts: 86-305 t/in (34-120 t/cm)
Tension: 25-35 n/cm²



Squeegee
Durometer: N/A
Edge: N/A
Stroke: N/A
**Do not use excess squeegee pressure.*



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



Flash & Cure Temperatures
Flash: N/A
Cure: N/A



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



Epic Additives
Extender: N/A
Reducer: N/A
**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.