

## 2200 EPIC™ Polywhite LC

Wilflex™ EPIC Polywhite LC is the best-in-class low bleed white with highest opacity rating in the Wilflex white's portfolio. Printers easily achieve a full ink deposit and excellent coverage when using EPIC Polywhite LC. Recommend to cure at low temperature (280°F/138°C) but gives excellent bleed protection at all cure conditions (280°F/138°C - 320°F/160°C).

### Highlights

- ▶ Superior bleed resistance
- ▶ High opacity, excellent coverage
- ▶ Fast flashing
- ▶ Low cure, save energy, reduce bleed defects
- ▶ Use as a first-down, underbase flash white or an overprint stand-alone white
- ▶ Best used with automatic presses

### Printing Tips

- ▶ Use a printing technique to assure a good ink deposit to maximize bleed resistance and stretch performance properties
- ▶ When printing EPIC Polywhite LC on high mesh it is important to use consistent, high-tension screens and increase squeegee pressure to optimize performance
- ▶ EPIC Polywhite LC is a low bleed ink. For challenging fabrics using sublimation dyes, a bleed blocking underbase such as EPIC Performance Underbase Gray may be required
- ▶ Adjust flash cure temperature and dwell time so ink is just dry to touch. Avoid excessive flash temperatures to protect fabric and migration of dyes. Depending on flash unit, a 2 - 3 second flash is adequate. If surface is hot and tacky, the ink film has been over flashed. Reduce temperature or time to prevent an inter-coat adhesion problem
- ▶ Curing is a time and temperature process, a lower oven temperature setting with a slower belt speed while maintaining recommended ink cure temperature is always best to protect fabric, control dye migration and reduce energy consumption
- ▶ EPIC Polywhite LC can be cured between 280°F - 320°F (138°C - 160°C). Running at the higher end of the temperature range and/or longer dwell times maybe required to achieve proper cure on jobs that contain cotton, high ink deposits or heavy weight garments.

### Compliance

- ▶ Non-phthalate.
- ▶ For individual compliance certifications, please visit [www.wilflex.com/compliance](http://www.wilflex.com/compliance).

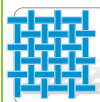
### Precautions

- ▶ Stir plastisols before printing.
- ▶ Do not dry clean, bleach or iron printed area.
- ▶ Perform fusion tests before production. Failure to cure ink properly can result in poor wash fastness, inferior adhesion and unacceptable durability. Gel and cure temperatures for ink should be measured using a Thermoprobe device placed directly in the wet ink film and verified on the substrate(s) and equipment to be used for production.
- ▶ 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 the printer's customer standards or specifications.
- ▶ When printing on garments that contain certain dyes, you must pre-test for the potential of ghosting. Please refer to our website for more information on this issue.
- ▶ Wilflex products have been carefully designed to perform within a given viscosity range, and any dramatic change in viscosity is probable to result in a change in printing characteristics
- ▶ **NON-CONTAMINATION OF EPIC INKS:** Do not mix EPIC inks with inks, additives or extenders from other companies. 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](mailto:techserviceswilflex@polyone.com)



#### Fabric Types

100% polyester, triblends, polyester blends, cotton/poly blends



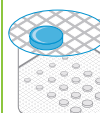
#### Mesh

Counts: 86-180 t/in (34-71 t/cm)  
Tension: 25-35 n/cm<sup>2</sup>



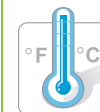
#### Squeegee

Durometer: 60-70, 60/90/60  
Edge: Square, Sharp  
Stroke: Hard flood, Fast stroke  
*\*Do not use excess squeegee pressure.*



#### Non-Phthalate Stencil

Direct: 2 over 2  
Capillary/Thick Film: N/A  
Off Contact: 1/16" (.2cm)



#### Flash & Cure Temperatures

Flash: 210-230°F (99°C-110°C)  
Cure: 280°F (138°C) Entire ink film



#### Pigment Loading

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



#### Eplic Additives

Extender: N/A  
Reducer: Epic Viscosity Buster-1% max  
*\*All percentages listed at % by weight.*



#### Shipping & Storage

65-90°F (18-32°C)  
Avoid direct sunlight.  
Use within one year of receipt.



#### Clean Up

Ink degradant or press wash.



#### Health & Safety

SDS: [www.polyone.com](http://www.polyone.com) or  
Contact your local CSR.