

## 11770PFW Epic Amazing Bright White LB

Wilflex™ Epic Amazing Bright White is a non-phthalate opaque white ink designed for applications on 100% cotton and cotton/polyester blends where moderate bleed resistance is required. Epic Amazing Bright White maximizes versatility delivering commendable press performance on both automatic and manual equipment and can be used as a first-down underbase flash white or an overprint stand-alone white.

### Highlights

- ▶ Optically bright.
- ▶ High opacity, good coverage.
- ▶ Satin finish.
- ▶ Smooth surface.
- ▶ Fast-flashing with minimal after-tack.
- ▶ Use as a first-down underbase flash white or an overprint stand-alone white.
- ▶ Easily printed with both manual and automatic presses.

### Printing Tips

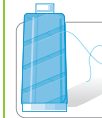
- ▶ Ink deposit is critical to achieving desired results.
- ▶ Use a slightly rounded squeegee for large area coverage. Use firm flood stroke and medium print stroke to maintain detail.
- ▶ Use consistent, high-tensioned screen mesh to optimize performance properties.
- ▶ Use 110-156 t/in mesh (43-62t/cm) as standard for large coverage and non-detailed graphics.
- ▶ Best results achieved using recommended mesh counts.
- ▶ To optimize bleed resistance, set the dryer belt at the highest possible speed while still ensuring that the ink film reaches 300°F (150°C). This ensures that the ink's heat exposure is minimal.
- ▶ Check the cure temperature at the ink surface.
- ▶ Polyester fabrics are likely to have dye migration issues. To determine a material's bleed potential, please reference the testing procedures outlined in the Wilflex User's Manual.

### Compliance

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

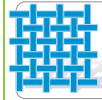
### Precautions

- ▶ 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.
- ▶ Pre-test all fabrics for dye migration.
- ▶ Some fabric dyes may cause ghosting effect if not properly tested.
- ▶ Adjust the time and temperature settings for the flash station and dryer to reach minimal ink gel and full cure temperatures respectively.
- ▶ Avoid over flashing as it can result in poor intercoat adhesion of colors.
- ▶ Wilflex products have been carefully designed to perform within a given viscosity range and any dramatic change in viscosity may result in a change in printing characteristics.
- ▶ 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](mailto:techserviceswilflex@polyone.com)



#### Fabric Types

100% cotton, cotton/poly blends



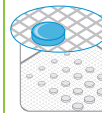
#### Mesh

Counts: 86-280 t/in (34-110 t/cm)  
Tension: 25-35 n/cm<sup>2</sup>



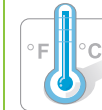
#### Squeegee

Durometer: 70, 70/90, 70/90/70  
Edge: Slightly Rounded for large area, Sharp for fine detail  
Stroke: Medium flood, fast speed  
*\*Do not use excess squeegee pressure.*



#### Non-Phthalate Stencil

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



#### Flash & Cure Temperatures

Flash: 220°F (105°C)  
Cure: 300°F (150°C)



#### 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.*



#### 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.