

## C Transflex™ Super Inks

Wilflex Transflex Super inks are a soft-feel, hot-split transfer inks formulated to give the appearance of a direct print. Transflex Super colors provide excellent opaque prints on dark fabrics and improvements in printability and transfer latitude compared with conventional hot-split inks. Using Transflex Super inks, the printer is able to use finer mesh counts when producing high-definition transfers - without losing opacity. Transflex Super inks also may be used for conventional cold-peel transfers.

### Highlights

- ▶ Compliant with CPSIA (Consumer Product Safety Improvement Act) 2008
  - ▶ Section 101, Lead Content in Substrates (<300 ppm lead);
  - ▶ 16 CFR, Part 1303, Lead in Paint (<90 ppm lead).
- ▶ Hot-split transfer ink with a soft feel.
- ▶ For use with dark garments.
- ▶ Excellent printability.
- ▶ Hot-split, hot-peel or cold-peel

### Printing Tips

- ▶ The use of 10210TF Transflex Printable Adhesive will improve the adhesion of Transflex inks to a far wider range of substrates when cold-peeled.
- ▶ The transfer paper should be peeled immediately after transferring for optimum results. When cold-peeling, allow transfer to cool for approximately 15 seconds before removing the paper.
- ▶ Adjustments to the drying mechanism may be required as the variables of different drying (heat) types, length of dryer conveyor and drying units, will affect the overall transfer finish.
- ▶ The majority of standard transfer papers can be used with confidence. If a softer-feel transfer is required, an uncoated transfer paper is recommended. In most cases, a hot-split/hot-peel transfer paper will be required.

### 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.
- ▶ Preprint, transfer and test all fabrics for desired properties before beginning production printing.
- ▶ Turn the garment inside-out when washing and drying to keep the transfer looking its best.
- ▶ Examine the fabric type and color before and after the application of the transfer, as color distortion may occur due to the introduction of heat to sensitive fabric types and dyes-stuffs inherent in the garment.
- ▶ It is advisable to press the blank shirt under transfer press before applying transfer to reduce moisture in garment.
- ▶ Stir plastisols prior to printing.
- ▶ Do not dry clean, bleach or iron the printed area.
- ▶ Any application not referred in this product bulletin should be pre-tested or consultation sought with Technical Services Department prior to printing.
- ▶ Email: [techserviceswilflex@polyone.com](mailto:techserviceswilflex@polyone.com)

Opacity	9	
Bleed Resistance	n/a	
Smooth Surface	9	
Flash	8	
Gloss	n/a	
Printability	9	



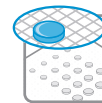
**Fabric Types**  
100% Cotton, cotton blends, rayon, linen and lycra. NOT recommended for nylon or satin fabrics.



**Mesh**  
Counts: 86-123 t/in (34-49 t/cm) recommended  
Tension: 25-35 n/cm<sup>2</sup> recommended



**Squeegee**  
Durometer: 60-80 durometer, straight edge  
Edge: Sharp, square  
Stroke: Hard flood, medium speed  
Avoid excess pressure.



**Stencil**  
Direct: 2 over 2  
Capillary/thick film: n/a  
Off contact: 1/16" (.2 cm)



**Gel/Cure Temperatures**  
Gel: 240-270 F (115-132 C). Lower temps will result in a transfer with little tensile strength, and higher temps will negatively affect the "split" of the final transfer.  
Cure: 375 F (190 C) entire film



**Pigment Loading**  
MX: N/A  
EQs: N/A  
PCs: N/A



**Additives**  
Extender: None  
Reducer: None



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



**Clean Up**  
Wilflex Screen Wash



**Health & Safety**  
MSDS: [www.polyone.com](http://www.polyone.com)

**PolyOne** Wilflex™ inks by PolyOne.

©2009 PolyOne Corporation All Rights Reserved. Effective 5/05/2009. Not all Wilflex products are available in every country. The information in this publication is based on information and experience believed reliable. Since many factors may affect processing for an application, processors must carry out their own tests and experiments to confirm suitability for intended use. You must make your own determination of suitability for your intended use and environmental acceptability, the safety and health of your employees, and purchasers of your product.

World Headquarters  
8501 Hedge Lane Terrace, Shawnee, KS 66227-3290  
E-mail: [CServ@SourceOneOnline.com](mailto:CServ@SourceOneOnline.com) - [www.SourceOneOnline.com](http://www.SourceOneOnline.com)

Northeast: 1-800-257-8226  
Southeast: 1-800-537-4606  
Midwest: 1-800-736-7636

West: 1-800-252-7767  
Mexico: 52 (55) 4777-1900  
Honduras: 504-574-9390

©2010 Nazdar. All Rights Reserved. SourceOne and CATZper are registered trademarks of Nazdar. All other trademarks are the property of their respective owners. Specifications subject to change without notice.

