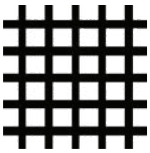
TECHNICAL DATA SHEET

SHORT DESCRIPTION:

H.O.TPrint Transfer Series inks are formulated to achieve the highest opacity PANTONE® or custom colors available. It is a low cure transfer ink series which could be used by itself or with our Soft Peel Series Transfer ink if an occasional higher opacity color match is desired. It is available in black, white and the colors can be matched to other One Stroke Ink colors, Pantone® colors, or any other custom color desired.

QUICK SPECIFICATIONS:



MESH COUNT
86 to 180

Hot Print Transfer Series will print through a broad range of screen mesh and should be determined by the amount of detail in your artwork

HEAT ON PAPER
250°F to 260°F

Powder the transfer with ELT Zip Fashion Powder and send it down the conveyor dryer. This temperature will fully cure the print to the paper. This is a critical step in screen printing low temperature transfers. Test with Thermolabels.

HEAT PRESSING
Pre heat 3 seconds
300ºF - 7 to 12 sec.
Medium pressure
Peel immediately while hot

Washing and drying your prints is the ultimate test of durability. It is critical to check for even pressure as a collar or seam under the heating element will cause a print to fail. Check for hot/cold spots on the heating element with an infrared gun.

SQUEEGEES
70 Durometer

Squeegees are one of many variables controlling your ink deposit. Softer squeegees are capable of printing thicker while hard squeegees allow for better print resolution. 60 durometer is soft. 70 durometer is medium. 80 durometer is hard.

CLEAN UP
PW-4 or IR-26

Many cleaning products will remove plastisol ink. We recommend Saatichem PW-4 for cleaning on-press. The IR-26 is ideal when cleaning in a washout booth. Cleaning the ink out of the screen immediately after printing is always recommended.

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LOW TEMPERATURE BENEFITS:

Low temperature transfers help prevent numerous fabric problems which have become such a nuisance. These problems include:

Dye Migration
Polyester dyes turn into gas when they are heated. Since you are using a significant amount of heat to fully cure plastisol ink, this will always be a problem. With low temperature transfers, you are using much less heat, preventing polyester dyes from migrating.

Ghosting
100% polyester, flourescent tees, pigment-dyed tees, and "vintage" apparel may experience what we call ghosting. This appears to be a haze around the print. You may also see a ghost image of the print on through the back (or front) of the garment. This can be caused by both heat and chemistry. Low temperature transfers will prevent ghosting.

Shrinking
Fabric may shrink at any temperature. The lower the press temperature, the less likely this will become a problem. This is not too much of a problem when printing ink transfers. However, it will be very noticeable when you are pressing multi-color designs with heat press material.

The Glossy Square
Heat pressing 100% polyester is a delicate process as you may leave a glossy square where the heating element came into contact with the shirt. You also may leave indentions in the fabric where the edge of the paper was pressed. Low temperature transfers with medium pressure will help prevent this from happening.

Color-Changing
Fluorescent cotton and poly/cotton fabrics have a tendency of darkening or changing when over-heated. This is not always easy to see as the color change is often slight. It most commonly occurs on safety yellow, fluorescent green, and fluorescent orange tees. Low temperature transfers will protect the apparel.

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H.O.TPRINT TRANSFER SERIES BENEFITS:

- Maximum Opacity
- Universal transfer for printing all fabrics.
- ELT Zip Fashion Powder allows for amazing stretch for spandex and lycra blends.
- Most hot peel and cold peel transfer papers will work. Peel the cold peel paper hot.
- Cold peel paper gives the ink a glossy finish. Hot peel paper gives it a matte finish.

IDEAL HEAT PRESSING GUIDELINES:

Press at the temperatures listed below at medium pressure for the best possible print without damaging the fabric. Remember, heat pressing is a time, temperature, and pressure process. All three variables must be considered along with ink thickness.

100% Cotton	Poly/Cotton	Polyester	Nylon/Stretch	100% Nylon	Polypropylene	Rayon
300ºF	300ºF	300ºF	300ºF	300ºF	N/A	N/A

*210 denier nylon and 210 denier polyester will melt/distort above 275ºF. For these cinch sacks, test lower temperatures for longer press times.

TIPS AND TRICKS:

- Test cure temperatures with a Thermolabel applied to the transfer paper
- Pre-heat the paper to prevent shrinking and humidity problems. Transfer powder will often stick to the paper if moisture is present.
- Pair this ink with the performance powder for maximum bleed resistance

Always perform a pretest print and test cure conditions on the fabric to be printed to establish the best results. Stir inks vigorously before each use. Viscosity may need adjusting for best results. If there is ever a question about a print job, call us at 800-942-4447. We are always happy to help!