



iColor® 2-Step *Standard* Transfer Media Instructions

Part # ICHTSTDA / ICHTSTDB (8.5" x 11")

Part # ICHTSTDALONG / ICHTSTDBLONG (8.5" x 17")

Part # ICHTSTDATAB / ICHTSTDBTAB (11" x 17")

Temperature	Time	Paper Setting	Pressure
310°F / 154°C	120 Seconds	Transparency	5

The iColor® **Standard Transfer Media** set will allow you to transfer prints from the iColor® series of printers (including fluorescent white and fluorescent color prints) onto a variety of garments, especially dark fabrics. The white adhesive applied as a result of the 2-step process enhances the color of your print, and increases the adhesion to your garment for maximum durability, opacity and vibrancy on your finished product. Rasterization and breathability integrated into your design, as well as using the garment color as a mask, will enhance the stretch limit and softness of your finished product.

iColor® **Standard Transfer Media** works at a higher temperature as compared to the iColor Premium paper (310°F / 154°C), so some care must be taken when pressing onto some types of synthetic material such as nylon or polyester. Spandex or lycra material is not recommended at this temperature. Save time, money, and space. No need to purchase a second heat press when using the iColor® **Standard Transfer Media** system. The first and second presses share the same temperature and pressure so you don't have to wait for the press to change temperature.

iColor® **Standard Transfer Media** is a weed-free system, ensuring little time is wasted picking and weeding your transfer prints, enabling you to produce detailed, quality images while dramatically reducing your production time.

Wash-tested up to 30 washes at 104°F / 40°C, your images will remain durable and vibrant.

Designed to work with the iColor® series of specialty printers, the iColor® **Standard Transfer Media** will also work with many popular color laser printers - please check with your printer manufacturer to be certain. White toner enabled printers are suggested for best results.

iColor® **2-Step Standard Transfer Media** is used as a set, comprising of a 'Transparent Transfer Sheet' (Part # ICHTSTDA/LONG/TAB) and an 'Adhesive Sheet' (Part # ICHTSTDB/LONG/TAB). Please follow the steps below for best results:

1. Place the transparent transfer sheet into the multipurpose tray of the iColor® printer, smooth side down, coated side up. You may need to stack a few sheets in the tray at once so the printer pulls the media cleanly.

Note: NEVER run the adhesive sheet through your printer. This may result in fuser failure.

2. In the software printer settings, set the paper source to the 'Multi-purpose Tray'. Paper type should be 'transparency' and the page size should be 'Letter'. For the long paper, create a custom page size equal to 8.5" x 17" and for 11" x 17", select 'Tabloid'. Remember to set the job to mirror print to ensure it looks correct when transferred to the garment.

3. Print the image.

4. Preheat the press to 310°F / 154°C and keep the press closed for at least 30 seconds before proceeding to heat up the lower platen.

5. Place the printed image in the middle of the press with the printed side facing up. Place the adhesive sheet on top of the print, adhesive coated side down – the image and the adhesive should be faceto-face.

6. Cover the media with kraft paper or a Teflon sheet and press the two sheets together in the heat press at 310°F / 154°C for 120 seconds with medium pressure.

7. Open the press and while hot - rub the media with a piece of textile for 5 seconds, then peel the adhesive sheet away from the transparent transfer sheet diagonally in one slow, low and fluid motion. This should be done with the sheets on the press to minimize heat loss. The use of heat resistant gloves will help keep the media in place due to the temperature of the lower platen.

8. Observe the used adhesive sheet – you will see the adhesive was removed only where toner was present on the transfer sheet. If you see any part of your design on the adhesive sheet, you did not get a clean pull. Examine the transfer sheet to determine if the transfer is acceptable. Discard the used adhesive sheet.

9. Trim the edges away from the transparent transfer sheet - this will ensure no excess adhesive sticks to the garment and eliminate the chance of a white box around your design.

10. Place your garment on the press. Position the transfer sheet (print side down) onto the garment. It is suggested that you use heat resistant tape to secure the sheet to the garment. Otherwise, opening the press can cause the transfer sheet to lift prematurely. For more precise placement, lay the garment out on a table, position the transfer sheet appropriately and tape the corners before placement on the press.

11. Cover the transfer sheet and garment with kraft paper or a Teflon sheet and press the garment using a heat press at 310°F / 154°C for 30 seconds with medium-high pressure. If you are pressing onto delicate fabric that requires a lower temperature, you can go as low as 250°F / 120°C for this step only.

12. Remove the garment from the heat press carefully and immediately lay flat. Allow it to cool for at least 5 minutes.

13. Once the garment is completely cooled, carefully peel away the transfer sheet in one smooth, continuous rolling motion. Removal while still warm could lead to an incomplete or faulty transfer. It is suggested that you start your pull from an area that has the most toner coverage. The image will adhere to the garment. Do not wait too long for this step (under one hour).

14. Re-Pressing (fixing) the image into the garment is important for wash durability. It is best to repress the image for roughly 20 seconds at 310°F / 154°C. Cover with kraft fixing paper on top of the image for a matte finish. If originally pressed at a different temperature from step 11, repress with the same temperature.

15. Wait a few seconds before removing the kraft paper (or Teflon sheet). Pull slowly in one smooth, continuous motion. It is important to wait before pulling the paper off, otherwise it could pull the design off the garment! While the garment is still on the press and still hot; lightly stretch the material to allow the toner to soak into the fabric to prevent cracking.

TIPS

Only use kraft paper made for heat press applications! The use of butcher paper or other kinds not specifically designed for heat transfer applications can cause the image to stick to the paper.

During Step 6 of these instructions, it is important that the adhesive sheet is placed on top because a) The heat platen is on top so heat is transferred directly to the adhesive sheet instead of passing through the transfer sheet and b) When pulling them apart, the sheet on top tends to curl. If that was your transfer sheet, it would then be difficult to place on your garment and could be ruined if the image touched itself.

During Step 7, note that the denser your image, the more difficult it will be to pull the A & B sheets apart. Start out with less dense, weeded images to perfect your process. Full coverage images take some skill to successfully pull cleanly and may require a longer press time and/or higher temperature. Full coverage tabloid graphics are not suggested.

If, during Step 11, you are adjusting the heat press temperature to accommodate delicate material, note that you must increase the temperature to 310°F / 154°C for step 6. The adhesive will not transfer over properly if set at a lower temperature.

If you are seeing stray adhesive sticking to your garment or substrate during the transfer Step 11 of these instructions, try reducing the press pressure to medium pressure or 5.

If some of your image isn't pulling properly during Step 13 of these instructions, start your pull from an area that has the most toner coverage. For example, don't start your pull from a dot or a small independent portion of your graphic. The more toner coverage, the higher the probability that you won't lose part of your image when getting started.

If white streaks or imperfections are appearing on your transfer sheet after pressing it to the adhesive, this could be caused by uneven closure of your heat press plates. If this occurs, place 5 sheets of standard copy paper on top of the A & B sheets before pressing. The copy paper will form a heat barrier, allowing the heat to build up more slowly and prevent any imperfections. Tape the 5 sheets together with heat resistance tape so that you can use them again without waste.

If you are getting incomplete pulls or are seeing marbling during Step 6 of these instructions, try printing with 250% - 300% white overprint in step 4 of the iColor TransferRIP software.

There are many variables that could produce different results. Specific steps may need to be altered based on:

- **Type and brand of Heat Press:** The temperature and duration varies slightly based on the heat press being used. All instructions are based on using a Hotronix Fusion press. Clam shell and swing away presses may also yield different results. Always place the transfer media in the middle of your heat press. Some heat presses do not have uniform heat and pressure distribution.
- **Type of image:** Photos or full-color graphics may require a longer press time than vector images or text.
- **Type of garment:** Cotton, Polyester, Spandex and Lycra material all respond differently to heat. All instructions are based on cotton garments.
- **If your presses are not pulling cleanly,** try removing the Teflon cover from the plate and preheat the press in the closed position.
- **Toner Coverage:** Halftones in image may cause undesired results. Toner coverage should not be less than 70% otherwise there may be issues with transferring the adhesive to the transfer sheet.

Halftones can be corrected by printing white on top of color (either running the sheet through the printer a second pass, or using the **iColor® TransferRIP Software** to apply a white layer in one pass). This will help with toner coverage and proper adherence to the garment.

There are many types of coatings and finishes applied to textiles and synthetic fabrics, so make certain adhesion is satisfactory and test for washability or scuff-resistance when applying transfer media to such materials.

It is recommended to wash finished garments inside out in cold or warm water and low agitation. For best results, hang to dry.

If there's a background transfer, reduce the transfer time or pressure. If there are areas which are not completely clean, it is recommended to press again with light pressure and kraft paper to weed out the undesired areas with coating transfer.

To see video instructions for iColor® Standard Transfer Media, visit www.icolorprint.com/video

Also available:

iColor® 1-Step **CLASSIC**, **Premium**, **WOOD AND LEATHER** and **CERAMIC** Hard Surface Transfer Media

iColor® 1-Step **LIGHT** Transfer Media for light colored garments

iColor® 2-Step **PresTo!** Transfer Media for light and dark colored garments

iColor® 2-Step **Premium** and **Premium STRETCH** Transfer Media for light and dark colored garments

iColor® 2-Step **Temporary Tattoo** Transfer Media

...and more! Contact your dealer for more information.

June 2017 Revision - A newer version of this manual may be available at www.icolorprint.com/support