UNINET

IColor PAPER ™

IColor™ Light 1 Step™ Textile Transfer Paper Instructions

Part # ICHTLIGHTA4 (8.27" x 11.7") (216 x 279mm)
Part # ICHTLIGHTA3 (11.7" x 16.5") (297 x 420mm)

AVAILABLE IN A4 AND A3 PAPER SIZES

Temperature	Time	Paper Setting	Pressure
Cotton 390°F / 200°C Poly 305°F / 150°C	15 Seconds	IColor™ 500/600 - Media Type: Plain / Media Weight: UH1 IColor™ 650 - Media Type: User Type 2 / Media Weight: UH5 321 IColor™ 550/540 - Paper Type: Coated Glossy Thick IColor™ 560 - Paper Type: Thick to 105g IColor™ 800 - Paper Type: Thick to 163g	5

IColor™ Light 1 Step™ Transfer Paper for light colored garments is an easy to use, all-in-one media for use with light and colored garments. The IColor™ Light 1 Step™ Transfer Paper is easy to use, very inexpensive and features a very soft hand. This one step system saves time because there is no adhesive pressing step. Print and press directly to your garment in 15 seconds! No weeding necessary - produce quality images while dramatically reducing your production time.

Designed to work with the IColor™ series of specialty printers, the IColor™ Light 1 Step™ Transfer Paper 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.**

Finished garments will last up to 25 washes depending on how it's laundered.

- It is recommended to wash finished garments inside out in cold or warm water and low agitation.
- Avoid fabric softener.
- Tumble dry on low setting - For best results, hang to dry.
- If ironing is necessary, you must place a piece of kraft paper between the pressed image and the hot iron. Failure to do this will result in a melted transfer.

INSTRUCTIONS FOR BEST RESULTS:

1. **Place the transparent transfer sheet into the appropriate tray of your printer.**

⚠ The plain, non-marked side is the print side.

- IColor™ 650 / 600 / 500 / Most Oki Printers: Print side face up in the Multipurpose Tray.
- IColor™ 800 / 560 / 550 / 540: Print side face down in the Bypass Tray.

2. **Printer Settings:**

In the RIP software settings, choose the paper type according to the printer being used. Make sure you are working within the overprint queue in the ProRIP software or 'B' Configuration if using the TransferRIP software.

⚠ Specific print modes and sizes for this paper are available when using the IColor™ ProRIP software.

- Listed as 'UNINET IColor 1 Step Light'
- The page size should match the size of the paper being used (A4 or A3).

Otherwise, use the following settings based on the printer:

- IColor™ 600 / 500 / Most OKI Printers: Set media type to 'Plain'; and media weight to 'Ultra Heavy 1'.
- IColor™ 650: Set media type to 'User Type 2'; and media weight to 'Ultra Heavy 5 321 - 360'.
- IColor™ 560: Set paper type to 'Thick to 105g'.
- IColor™ 550 / 540: Set paper type to 'Coated Glossy Thick'.
- IColor™ 800: Set paper type to 'Thick to 163g' (Thick to 220g may be needed for extra heavy coverage)

⚠ If not already done automatically in the RIP, remember to set the job to **mirror print**, ensuring the correct orientation when transferred to the substrate.

⚠ For best results, set white to: 200% for white garments, 300% for medium colored garments (such as blue and gray). Choke should be set to 3, medium.

⚠ For IColor™ 560 / 550 / 540 printers, do not exceed 280% white overprint.

⚠ For the IColor™ 650 printer, set to 130% white overprint.

3. **Print the image.**

4. **Preheat the press** to 390°F / 200°C and keep the press closed for a few minutes before proceeding to heat up the lower platen.

5. **Place or thread 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.

⚠ For polyester garments, press at a reduced temperature of 305°F / 150°C.

6. **Cover the transfer sheet and textile with a kraft or PTFE-based sheet.**

- Press at 390°F / 200°C for 15 seconds with medium pressure.

6. **Open the heat press and wait 10 - 15 seconds,** leaving the garment and transfer in place.

- Peel the transfer sheet diagonally in one smooth motion.
- The waiting time before peeling is very important. Do not peel immediately or too late.
- You might have to experiment with what works for your heat press.
- This is all done while the garment is on the press to retain the heat.

⚠ If the transfer does not fully adhere to the textile, the peel was performed too early.

⚠ If the transfer paper sticks to the garment and rips, the peel was performed too late.

7. **Re-Pressing** (AKA post press or fixing press) the image into the garment is important for wash durability.

- Place the textile back on the heat press.
- Cover with kraft fixing paper on top of the image for a matte finish.
- Re-press the image for roughly 30 seconds at 390°F / 200°C or at the temperature it was originally pressed.

⚠ If this step is not done, the pressed image could bleed during the wash cycle, so take great care that the re-pressing is done correctly.

8. **Wait 10 seconds before** removing the fixing or kraft paper to avoid any part of the transfer from sticking to the kraft 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.

TECH TIPS

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

• **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,** preheat the lower platen of the press in the closed position for several minutes to retain the necessary heat to perform this step.

• **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. The RIP will add the necessary amount of white to the image to avoid this situation. Those printing outside of the RIP software may encounter issues such as incomplete adhesive transfer.

• **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 (recommended). Clam shell and other types of swing away presses may also yield different results. Always place the transfer paper in the middle of your heat press. Some heat presses do not have uniform heat and pressure distribution, which can affect your final project.

⚠ 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.

This transfer paper is recommended for use with light or medium colored garments because it is a 1 Step paper without the adhesive backing. As a result, the darker the substrate, the more your graphic will be washed out or muted. If this look is the intent, then it is perfectly acceptable to use the IColor™ 1 Step Transfer Media in this way.

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 or ProRIP Software to apply a white layer in one pass). This will assist 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 paper to such materials.

It is recommended to **wash finished garments inside out** in cold or warm water and low agitation. Avoid fabric softener, as it may prematurely degrade the transfer. Tumble dry on low setting - For best results, hang to dry. If ironing is necessary, you must place a piece of kraft paper between the pressed image and the hot iron. Failure to do this will result in a melted transfer.

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

IColor™ 650 Tips:

- When printing the color black, change the color code of your black elements to 65% C, 65% M, 60% Y using the job color replacement tool in the ProRIP.
- When printing solid black images with no color, use the provided black cartridge and set your artwork to 100% K in the job color replacement.
- Optionally, use your IColor Clear toner kit for outstanding results when pressing onto a white or light colored textiles.

Optimal Humidity Level: 45% - 65%

- Regulated with A/C, a humidifier or de-humidifier, depending on current atmospheric conditions.

Optimal Temperature Range: 50°F / 10°C - 75°F / 24°C

Use of this paper outside of these recommend parameters may lead to poor results.

To see video instructions for IColor™ Light 1 Step Transfer Media, visit www.icolorprint.com/video

ALSO AVAILABLE:

- **IColor™ Premium** 2 Step Transfer Paper for light and dark colored garments
- **IColor™ Select and Select Ultra Bright** 2 Step Transfer Paper for light and dark colored garments
- **IColor™ Standard** 2 Step Transfer Paper for light and dark colored garments
- **IColor™ Glitter Adhesive** 2 Step Transfer Paper (for use with IColor™ Standard 2 Step Transfer Paper)
- **IColor™ Light** 1-Step Transfer Paper for light colored garments
- **IColor™ Presto** 2 Step Transfer Paper for textiles and hard surfaces
- **IColor™ Temporary Tattoo** 2 Step and **Easy Tattoo** Transfer Paper
- **IColor™ Premium, Wood and Leather and Ceramic** Hard Surface 1-Step Transfer Paper
- **IColor™ AquaClear** 1-Step Transfer Paper for candles and other substrates not resistant to heat
- IColor™ **Label / Sticker** Paper (Clear and White) in Letter and Tabloid size
- IColor™ **Window Cling** Media (Clear and White) in Banner and cut sheet options
- **IColor™ Banner** Paper
- **IColor™ Magnetic** Media in Letter and Tabloid size

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

IColor™ Transfer Paper Comparison Charts

ICOLOR TEXTILE TRANSFER PAPER

ATTRIBUTE	PREMIUM	STANDARD	SELECT UB	SELECT	PRESTO	LIGHT	SPEEDTRANS LIGHT
PROCESS	2 Step	2 Step	2 Step	2 Step	2 Step	1 Step	1 Step
DURABILTY (# of Washes @ 104 °F/40 °C)	Up to 100	50+	50+	50+	50+	15+	15+
DARK TEXTILES (BRILLANCE)	BEST	BETTER	BEST	GOOD	BETTER	FAIR	FAIR
DELICATE TEXTILES	BEST	GOOD	GOOD	GOOD	GOOD	)T RECOMMEND	NOT RECOMMENDED
STRETCHABILITY	BETTER	GOOD	BEST	BEST	GOOD	GOOD	GOOD
FINISH	MATTE	SEMI GLOSS	MATTE	MATTE	SEMI GLOSS	SATIN	SATIN
TRANSFER 'A' SHEET CHARACTERISTIC	OPAQUE	TRANSPARENT	TRANSPARENT **	TRANSPARENT	OPAQUE	OPAQUE	OPAQUE
PRESS TEMPERATURE (°F/°C)	250°F / 120°C	310°F / 154°C	320°F / 160°C	310°F / 154°C	285°F / 140°C	390°F / 200°C	375°F / 190°C
PRESS TIME	30 + 30 secs	120 + 30 secs	135 + 25 secs	120 + 25 secs	120 + 30 secs	15 secs	10 secs
SOFT HAND	BEST	GOOD	GOOD	GOOD	GOOD	BETTER	BETTER
COST	$$$	$$	$$	$$	$$	$	$

ICOLOR HARD SURFACE TRANSFER PAPER

ATTRIBUTE	PREMIUM	CERAMICS	WOOD/LEATHER	PRESTO! HARD SURFACE	PRESTO! PAPER/WOOD	AQUACLEAR	2 STEP TATTOO	1 STEP TATTOO
PROCESS	1 Step	1 Step	1 Step	1 Step	1 Step	1 Step	2 Step	1 Step
DURABILTY (RESISTANT TO SCRATCHING/CHIPPING	BEST	BEST	BEST	BEST	BEST	GOOD	BETTER	GOOD
COLOR BRILLIANCE	BETTER	BETTER	BETTER	BEST	BEST	BETTER	BETTER	BETTER
METALLIC FINISH	NO	NO	NO	YES	YES	NO	NO	NO
PRESS TEMPERATURE (°F/°C)	300°F / 150°C *	300°F / 150°C *	300°F / 150°C *	320°F / 160°C *	265°F / 130°C *	N/A	265°F / 130°C	N/A
PRESS TIME	60 SECS *	180 SECS *	60 SECS *	180 SECS *	90 SECS *	N/A	40 SECS	N/A
ACRYLIC	YES	YES	YES	YES	NO	YES	YES	YES
METAL	YES	NO	NO	YES	NO	YES	YES	YES
CERAMIC	YES	YES	NO	YES	NO	YES	YES	YES
TILE	YES	YES	NO	YES	NO	YES	YES	YES
GLASS	YES	YES	YES	YES	NO	YES	YES	YES
CRYSTAL	YES	YES	YES	YES	NO	YES	YES	YES
PAPER/WOOD/CARDBOARD	YES	NO	YES	YES	YES	NO	YES	NO
LEATHER	YES	NO	YES	NO	NO	NO	YES	NO
CANDLES	NO	NO	NO	NO	NO	YES	YES	YES
FLESH	NO	NO	NO	NO	NO	NO	YES	NO
COST	$	$	$	$$	$$	$$	$$$	$$

* Temperature and press time varies based on substrate

May 2023 Revision - A newer version of this manual may be available at www.icolorprint.com/support

(Or scan this QR Code)