

IColor™ Presto! Metallic 1 Step Transfer Paper Instructions For Ceramic, Glass and Metal applications

AVAILABLE IN LETTER SIZE

Temperature	Time	Paper Setting	Pressure
320°F / 160°C	180 Seconds	IColor™ 500/600 - Media Type: Labels / Media Weight: UH1 IColor™ 540/550 - Paper Type: Coated Glossy IColor™ 560 - Paper Type: Thick2 to 163g IColor™ 650 - Media Type: User Type 2 / Media Weight: Heavy 121 IColor™ 800 - Paper Type: Thick to 163g	High

IColor™ Presto! Metallic 1 Step Hard Surface Transfer Paper is an easy to use, all-in-one paper for use with a variety of monochrome, white toner, CMYK Laser/LED printers and copiers. Print in black and press in bronze, gold and silver onto ceramic, glass, and metal. No cutting or weeding necessary! **IColor™ Presto! Metallic 1 Step Hard Surface Transfer Paper** does not require coated substrates, although certain coatings like CLC coated mugs will add to the durability of your project.

Designed to work with the IColor™ series of specialty printers, the **IColor™ Presto! Metallic 1 Step Hard Surface Transfer Paper** will also work with many popular color and monochrome laser printers – please check with your printer manufacturer to be certain. Works best with vector graphics and fonts. Add distress to the image for a vintage look. **High density prints are recommended for best results.**

RECOMMENDED COLOR SETTINGS:

- IColor™ 650 / 600 / 560 / 550 / 540 / 500: 100% Black. Set cartridges standard CMYK configuration with black cartridge. Print in monochrome.
- CMYK Printers: 100% Black. Print in monochrome or greyscale.
- IColor™ 800 / Other white toner printers: 300% Composite Black (100% Cyan, 100% Magenta, 100% Yellow).
- Monochrome Printers: 100% Black with full density.

INSTRUCTIONS FOR BEST RESULTS:

- Each substrate will have a slightly different technique. Refer to the applicable section as it pertains to your project.
1. **Place the Presto! transfer sheet into the appropriate tray of your printer.**
 - ⚠ The colored side is the print side.
 - IColor™ 650 / 600 / 500 / Most OKI Printers: Print side face up in Multipurpose Tray
 - IColor™ 560 / 550 / 540 / 800: Print side face down in the Bypass Tray
 - ⚠ You may need to stack a few sheets in the tray at once so the printer pulls the media cleanly (except the IColor™ 560).

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 Presto! Hard Surface'.
- Be sure you are printing in the CMYK queue.
- Page size should be 'Letter'

Otherwise, use the following settings based on the printer:

- IColor™ 500 / 600 / Most OKI Printers: Set media weight to 'Ultra Heavy 1' and media type to 'Labels'
- IColor™ 650: Set media weight to 'Heavy 121 – 128g' and media type to 'User Type 2'
- IColor™ 550 / 540 users: Set paper type to 'Coated Glossy'
- IColor™ 560: Set Paper type to 'Labels'
- IColor™ 800: Set paper type to 'Thick to 163g'

⚠ 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.

3. Print the image.

4. Set the temperature of the heat press or mug press according to the chart below (usually 320°F / 160°C) and preheat.

Mug Press:

Substrate	Time	Temp	Press Pressure	Peeling
Ceramic Mugs	180 Sec	320°F / 160°C	9 (High)	Cold
Glass	180 Sec	320°F / 160°C	9 (High)	Cold

- 1) Choose the appropriately sized sleeve for your press.
- 2) Position and tape the transfer onto the mug with heat resistant tape (image facing the mug).
- 3) Place the mug in the press.
- 4) Press using the setting above.
- 5) Remove from press and let sit for one minute, then place in warm water (hot mugs can shatter when cooled too quickly).
- 6) Once the transfer is soft, peel it from the substrate in one smooth motion.
- 7) Clean any excess particles with Isopropyl alcohol if necessary.

⚠ Use of CLC coated, satin finished laser or mugs with a slightly rougher finisher will help with scratch resistance.

Swing away or clam shell press:

Substrate	Time	Temp	Press Pressure	Peeling
Acrylic	60 Sec	320°F / 160°C	7 - 8 (Med High)	Warm
Glass & Mirror	180 Sec	320°F / 160°C	9 (High)	Cold
Metal & Steel	80 Sec	390°F / 200°C	9 (High)	Cold
Wood	60 Sec	320°F / 160°C	6 - 7 (Med)	Warm

- 1) Close the press to preheat the lower platen.
- 2) Place a piece of kraft paper on the lower plate. Align the printed image to the substrate and lay flat on the press, with the IColor™ Presto! Metallic 1 Step Hard Surface Transfer Paper on top (image facing the substrate). You can tape the hard surface paper to the lower kraft paper for additional stability.
- 3) Cover the transfer with a silicon pad (.5mm - 1mm is suggested for best results).
- 4) Press using the setting above.
- 5) For cold peels, remove from press and let sit for one minute, then place in warm water (hot glass and ceramic can shatter when cooled too quickly). Once the transfer is soft, peel it from the substrate in one smooth motion.
- 6) For warm peels, remove from press and let sit for one minute. Once the transfer is warm, peel it from the substrate in one smooth motion.
- 7) Clean any excess particles is Isopropyl alcohol if necessary

TECH TIPS

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.
- **Type of substrate:** Some substrates may require more or less press time, depending on the material and the image being pressed. Recommended settings can vary greatly, especially with substrates of varying thickness. The use of a digital thermometer placed between the substrate and the transfer will result in more consistent results.
- **Type of image:** Full coverage graphics may require a longer press time than vector images or text.
- **Toner Coverage:** Toner coverage should not be less than 50% otherwise there will be issues with transferring.

The use of a silicon pad or foam pad is necessary when using the Hard Surface Paper.

- All instructions are based on a .5mm silicon pad, which is available from UNINET. Thicker pads (greater than 1mm) will require longer press times and higher temperatures.
- In these cases, the use of a thermometer can help to establish the best settings. It is suggested to use the foam pad that comes with the media for glass / crystal applications.

The use of kraft paper below and above your project is highly recommended. This way, you can easily remove your substrates from the press.

If you are using tape to secure your image to the substrate, make sure the tape is not covering any part of the transfer, as that will lead to inconsistent results.

For all applications (especially wood, where the polymer from the hard surface paper is transferred over), it is suggested that the size of your transfer paper is larger than your substrate for an easier pull and to avoid differences in the sheen.

If a particular instruction is not working for you, try varying pressure, press time, higher or lower temp, longer or shorter dwell time.

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 media outside of these recommend parameters may lead to poor results.

To see video instructions for IColor™ Presto! Metallic 1 Step Hard Surface Transfer Paper, 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
DURABILITY (# 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	DT 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
DURABILITY (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)

