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iColor® 1-Step CERAMIC Hard Surface Transfer Media Instructions

Part # ICHTHARDCER

The **iColor® 1-Step Ceramic Hard Surface Transfer Media** is an easy to use, substrate specific media for use with ceramic, glass, crystal and acrylics. It features a thinner polymer that is easier to pull and does not leave a background on the substrate. **iColor® 1-Step Ceramic Hard Surface Transfer Media** does not require coated substrates like sublimation does. Press onto light and dark substrates, thanks to the adjustable white overprint layer when printing from the iColor TransferRIP or ProRIP software! The result is a vivid, long lasting image.

The **iColor® 1-Step Ceramic Hard Surface Transfer Media** was designed to serve as a substrate specific media, but note that UniNet carries general use hard surface media, as well as other substrate specific media which may work better in specific situations with wood and leather.

Designed to work with the **iColor®** series of specialty printers, the **iColor® 1-Step Ceramic Hard Surface 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.

Please follow the steps below for best results. Each substrate will have a slightly different technique. Refer to the applicable section as it pertains to your project.

1. Place transfer sheet into the appropriate tray of the iColor® printer, print side up or down depending on your model (the white gloss coated side is the print side)

2. In the **iColor® TransferRIP or ProRIP Software,** configure for white overprinting. A white spot coverage (white overprint) of 300 - 400% with a 1 - 2 device pixel underfilling is suggested for best results.

3. Paper type should be 'Labels 2' (for images with heavier toner coverage, select an 'Ultra Heavy' setting) if printing from the iColor® 500/600 and 'Coated Glossy' if printing from the iColor® 550. Page size should be 'Letter'. Remember to set the job to mirror print to ensure it looks correct when transferred to the front of the substrate. TIP: For clear acrylics, you can also transfer to the back of the substrate - Do not mirror print and use a white underprint.

4. Print the image.

5. When using a heat press: Place a piece of kraft paper on the lower plate. Align the substrate to the printed image and lay flat on the press, with the **iColor® 1-Step Ceramic Hard Surface Transfer Media** on top. You can tape the hard surface paper to the lower kraft paper for additional stability. Cover with a silicone pad (.5mm - 1mm is suggested for best results) or the foam pad that shipped with the media. For mug presses: Simply choose the appropriate sized sleeve, tape the transfer onto the mug with heat resistant tape (image facing the mug), insert the mug and press accordingly.

6. For most applications, press at 300°F / 150°C with medium high pressure. The duration of the press depends on the thickness, type and composition of the substrate used. Refer to the matrix below for suggested press times and peeling methods.

Surface	Time	Temp	Press Pressure	Peeling	Notes
Acrylic	60 - 120 Sec depending on thickness	300°F / 150°C	8 (Medium – High)	Cool	Place heavy object on top while on the press for 20 seconds to prevent warping if necessary. Remove, then peel once cool.
Glass / Crystal	60 -180 Sec depending on thickness	300°F / 150°C	8 (Medium – High)	Warm	Warm peel. Bake in convection oven at 360°F / 182°C for 20 mins. Handwash.
Ceramic Mugs	180 Sec	300°F / 150°C	8 (Medium – High)	Cold	Wait 1 min, then place substrate in warm water for 2 mins before peeling. Bake in convection oven at 360°F / 182°C for 20 mins. for increased durability. Handwash.
Ceramic Tiles	180 Sec	300°F / 150°C	9 (High)	Cold	Wait for substrate to cool completely before peeling. Bake in convection oven at 360°F / 182°C for 20 mins. for increased durability.
Ceramic Tiles (Full Bleed)	300 Sec	300°F / 150°C	9 (High)	Cold	Wait for substrate to cool completely before peeling. Bake in convection oven at 360°F / 182°C for 20 mins. for increased durability.

If you make a mistake or are not happy with the finished result, use acetone to remove the transfer (before fixing in an oven). Not suggested for plastics or other materials that can be damaged.