Fired-On™ Photo Fusing Decal Paper

INSTRUCTIONS

Master these steps and you'll soon be permanently firing images onto glass with ease. Step-by-step instructions will show you how to do it correctly from the start.

STEP 1 - Selecting and Preparing Glass

Images can be fired onto any color or type of smooth surfaced fusible glass.

- The best image clarity and contrast is provided by firing image onto a white or light colored opaque glass.
- When using translucent or transparent glass, fusing a white or light colored opaque layer under the clear layer will allow for better image contrast.
- If capping is desired, Firing image on to underneath layer first and then cap with clear or translucent glass and fire again.
- Iridized and Dichroic glass surfaces should be tested first to ensure compatibility with this process.

STEP 2 - Preparing Images

There are two basic vehicles for placing your images on the transfer paper:
1. **Untouched Images:** Images can be directly applied to the transfer paper using certain Black and White Laser Multifunction Copier/Printers listed on the **Approved Printer Chart.**

2. **Manipulated Images:** Images may be scanned, e-mailed, downloaded, copied from CD or input directly from digital cameras and manipulated on a computer using commercially available software applications and then printed using any of the Black and White Laser Printers from listed on the **Approved Printer Chart**.

STEP 3 – Printing Images ...To print your image onto the transfer paper;

1. Set printer for paper size 8.5"x11" (US standard paper size)
2. **Remove the tissue paper cover** of the paper (if present)
3. Place paper in the manual feed slot one sheet at a time
4. Print your image from the computer with an HP **B+W** laser printer or copy on a suggested HP **B+W** multifunction printer. **Please see the list of approved printers.**

STEP 4 - Applying Images

The final steps to creating beautiful glass transfers are simply to slide the image onto your piece and fire it. To do this, you will need to:

1. Clean the area where you plan on placing your image, removing dirt or oil.
2. Cut out the image(s) as close as possible to the actual design.
3. Place in a dish of warm water, holding the paper gently to avoid tearing.
4. When you begin to feel the printed image separating from the backing paper, it is ready to apply onto your surface.
5. Lift the image out of the water with the backing paper intact.
6. Gently slide the image off of the backing paper holding the transfer film down with one hand and slowly pull the backing paper out from underneath.
7. Use a clean paper towel to wipe off excess water and remove any air bubbles. A soft brayer may be used by laying a paper towel on top of the transfer and rolling over the towel gently towards the edge of the design.
8. Allow it to set for 2 hours or more.

STEP 6 - Firing Instructions

- Images can be fired as many times as you like to any firing schedule but for best results fire your images from *1250°F-1300°F (676°C-704°C).
- If capping is desired; First fire images on at the above lower temperature and then add cap and fired again to a higher full fuse temp.

Note: * Thick or fire polished glass may need higher full fuse firing temperatures to permanently affix images.

STEP 7-Adding Color

All images will fire to a beautiful rich sepia brown color. Color can be added in by;

1. **Colored Glass under the Image**
   The transfer film is transparent so the areas that are light or white in your original image will be colored according to the color of glass that you are using underneath.
2. **Painting under the Image**
   Colored enamels or frits can be painted on and fired before the image is applied, allowing the color to show through from underneath the image. Simply trace your image onto your glass and then fill areas where you want color to be and fire according to the manufacturer instructions. Then apply your transfer over the colored areas and fire again.
3. **Painting over the Image**
   Transparent enamels can be applied over the already fired transfers and fired again. This method works great for "colorizing" photographs.

Approved Printers for Firing Images to Glass

- Use ONLY **HP Black & White Laser** Printers or Multifunction Printer/Copiers
- ***If machine is capable of printing in color – the fired process won't work.***
- HP Multifunction (MPF) devices can perform as standalone flatbed photocopiers as well as a computer connected scanner and printer
- USE ONLY authentic **HP** toners / NO generic brands or refills

Model #	Type	Max Dpi (dots per inch)	Mac Compatible	Print Quality			$$$
				Text	Graphics	Photo	
HP LaserJet P1006, P1005 , P1505	Laser Printer	600X600dpi	Yes	Great	Great	Good	$
HP LaserJet1018, 1020 (Discontinued)	Laser Printer	600X600dpi	No	Great	Great	Good	$
HP LaserJet P2030,P2035	Laser Printer	1200x1200dpi	Yes	Great	Great	Great	$$
HP LaserJet 1022 (Discontinued)	Laser Printer	1200X1200dpi	Yes	Great	Great	Great	$$
HP LaserJet P2015, 2050,2055, 3005, 3010, 4014, 4015, 5200,4515	Laser Printer	1200X1200dpi	Yes	Great	Great	Great	$$
HP LaserJet M1522n	Multifunction Laser Printer Scan/Copier	600x600dpi	Yes	Great	Great	Good	$
HP LaserJet 3052, 3055, (Discontinued)	Multifunction Laser Printer Scan/Copier	1200X1200dpi	Yes	Great	Great	Great	$$
HP LaserJet M2727nf	Multifunction Laser Printer Scan/Copier	1200x1200dpi	Yes	Great	Great	Great	$$
HP LaserJet M3027, M3035, M5035	Multifunction Laser Printer Scan/Copier	1200X1200dpi	Yes	Great	Great	Great	$$$
Older discontinued HP Laser Printers	Laser Printers	300 to1200dpi	Some	Great	Good	Good	$

Troubleshooting Tips

Image has disappeared completely after firing: Make sure that you are using one of the recommended BLACK AND WHITE laser printers or multifunction copiers to make your image. Toner cartridges last a long time but try a fresh cartridge if your results fade over time. Only use authentic HP toners in your printer, no substitutes.

Image has faded: Transfer firing temperature is too hot. Try again at a lower firing temperature.

Image smudges, wipes off or is very reddish after firing: Transfer firing too low, try again at a higher temperature.

Image has cracks in it: A certain amount of microscopic cracking is normal but if you see large cracks after you have fired your image it may be due to poor contact between the transfer and the glass. Never overlap the decal material.