

# Rantzauer Töpferbedarf Fired-On Images™ Decal Paper

## Acquiring Images

- Photographs, drawings, invitations and letters, typed and hand written recipes and other images in your personal collection
- Digital pictures saved on your computer...directly input, downloaded from friends' web sites, online photo albums or sent as email attachments
- Search Engines - Do an image search by name or category
- Stock photo services - Image download services that allow you to purchase royalty free professional images
- Clip Art Books, Art Books, Children's Coloring Books

## Printing Images

**ONLY** use **HP or Canon** \***Black-ONLY** LASER Printer or Copiers

*\*If Printer/ Copier can print in color, the process will **NOT** work*

1. Set printer for plain paper, standard US size 8 ½ "x 11"
2. Place decal paper into manual feed slot of printer one sheet at a time
3. Print your image onto glossy side of the decal paper

## Applying Images



1. Cut out image and soak in warm water for a few minutes

2. Place image on ware & slowly pull paper out from underneath

3. Push water and bubbles out starting from center out to edges

4. Fire. Firing temp depends on type of surface and / or glaze type

1. Cut decal close to edges and use warm water to soak images for a few minutes
2. Lift decal out of water with backing paper still attached and gently pull paper out from underneath
3. Use a soft paper towel or a rubber roller to push out water and bubbles, starting from the center and pushing out to edges
4. Firing temperature depends on the type of clay and glaze used

## Hints:

- Images fire to a sepia brown and can be colored with traditional glazing /painting techniques
- Outside venting system is recommended while film is burning away

## Firing Images onto Hand Glazed Bisque Surfaces (On-Glaze)

Decal firing temperature depends on type of clay and glaze used

Glaze Firing Temp	Type of Glaze	Decal Firing Temp
Cone 06 glaze Earthenware Clay	<i>Opaque cone 06 Glazes</i>	Cone 010-Cone 08 (900°C- 950°C)
Cone 06 glaze Earthenware Clay	<i>Clear/ Transparent cone 06 Glazes</i>	Cone 015-012 (790°C-860°C)
Cone 5, 6 glaze Stoneware Clay	<i>All cone 5,6 Glazes including Clear/ Transparent</i>	Cone 06-04 (980°C-1020°C)
Cone 10 glaze Porcelain Clay	<i>All cone 10 Glazes</i>	Cone 04-02 (1020°C-1060°C)



White backgrounds give best contrast for photographs



Images can be added on anywhere there is glaze



Logo's and signatures can be added to the bottom in the same firing

### Hints:

- White backgrounds give best image contrast
- Decals can be placed anywhere there is glaze
- Logos and signatures can be added on the bottom in the same firing
- If decal fades, fire cooler.... if it wipes off, fire hotter

### Adding color underneath the decal while glazing, using 06 glazes (Majolica style)



1. Paint 2 coats white glaze  
Let dry. Trace image on



2. Paint in the lines with colored glaze



3. Fire to cone 06



4. Soak and slide image into place  
push out water & bubbles



5. Fire to Cone 010-08

1. Paint 2 coats of white glaze, let dry and trace image on
2. Paint in the lines with colored glaze
3. Fire to cone 06.
4. Apply the decal slide into place and push out water and bubbles with a soft paper towel
5. Fire to cone 010-08 (900°C- 950°C)

### Hints:

- If clear glaze is used, decal fired to cone 015-012 (790°C-850°C)
- China Paints or overglazes can be used to add color in additional firings
- This method can be used with cone 5 or 10 glazes but you may have to resize the decal to accounts for clay shrinkage

## Firing Images onto Factory Glazed Surfaces (On-Glaze)

Decal firing temperature depends on the type of surface used

Type of Glazed Surface	Decal Firing Temp
Earthenware Ceramic: Wall Tile and Tableware	Cone 09-07 (920°C -960°C)
Porcelain, Stoneware and Floor Tile (floor tile should say "can be used on floor")	Cone 02 (1060°C)

### Hints:

- If decal fades... fire cooler. If decal wipes off... fire hotter.
- For darker images, apply toner side down. This requires printing the decal in reverse and spreading some glue from a piece of unused decal paper. Spread glue over the area before applying image face down

### Super LOW FIRE cone 018 (710°C) for Traditional Decal Artists and China Painters

1. Apply decal as directed and let dry
2. Mix any light colored china paint or flux in a 1:1 ratio with Mineral or Baby Oil
3. Paint the mixture over entire surface of the decal
4. Fire decal to cone 018 (710°C)

### Hints:

- China Paints or overglazes can be used to add color in additional firings
- Traditional decals can be mixed in with Fired-On Images Decals by using the flux / china paint mixture to coat before firing



## Firing Images onto Fusible Glass:

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



1. Print, cut out, soak in warm water as directed
2. If several layers of glass are used, apply decal to top layer
3. Fire from 676°C-788°C (tack, slump, or full fuse)

### Hints:

- White or light colored opaque (opal) glass gives the best image contrast
- Clear capping is not necessary, but if desired; First fire decal onto the underneath layer and then add clear cap and fire again
- Iridized glass may need a cap to fully fuse
- Thick or fire polished glass may need a full fuse temperature (788°C)

# Printers That Work with FIRED-ON IMAGES

YOU CAN USE ANY HP or Canon Black & White (only) Laser printer or Copier for this process.

*If the machine is another brand or can print in color-- the process won't work!!*

**Commercially Available Printers as of 1/12**

Model #	Type	Max Dpi dots per inch	Mac Compatible	Print Quality			\$\$\$
				Text	Graphics	Photo	
<b>HP</b>							
HP LaserJet P1006, P1005 , P1600, P1606 P1100P1102W	Laser Printer	600X600dpi	Yes	Great	Great	Good	\$
HP LaserJet 1018,1020 Discontinued	Laser Printer	600X600dpi	No	Great	Great	Good	\$
HP LaserJet P1505 P2030,P2035	Laser Printer	1200x1200dpi	Yes	Great	Great	Great	\$\$
HP LaserJet1022 Discontinued	Laser Printer	1200X1200dpi	Yes	Great	Great	Great	\$\$
HP LaserJet P2015, 2050,2055, 3005, 3010, 3015, 4014, 4015, 5200,P4515	Laser Printer	1200X1200dpi	Yes	Great	Great	Great	\$\$
HP LaserJet M1522n M1212nf	Multifunction Laser Printer /Scan/Copy	600x600dpi	Yes	Great	Great	Good	\$
HP LaserJet 3052,3055, Discontinued	Multifunction Laser Printer /Scan/Copy	1200X1200dpi	Yes	Great	Great	Great	\$\$
HP LaserJet M2727nf ,Pro400 M1319f, M1536dnf, M1217nfw	Multifunction Laser Printer /Scan/Copy	1200x1200dpi	Yes	Great	Great	Great	\$\$
HP LaserJet M3027, M3035, M5035,	Multifunction Laser Printer /Scan/Copy	1200X1200dpi	Yes	Great	Great	Great	\$\$\$
<b>CANON imageClass **</b>							
ImageCLASS LBP6650dn	Laser Printer	600x600 dpi to 2400x600 dpi	yes	Great	Great	Good	\$\$
ImageCLASSLBP6000,LBP6300dn			no				
ImageCLASS D420, MF457dn,MF4370dn,MF4350d	Multifunction Laser Printer /Scan/Copy	600x600dpi to 1200x600dpi	yes	Great	Great	Good	\$
ImageCLASS MF3240, D340			no				
Canon ImageCLASS D1120, D1150,D480,MF4690	Multifunction Laser Printer /Scan/Copy	600x600dpi to 1200x600dpi	yes	Great	Great	Good	\$\$
ImageCLASS D1170, D1180,MF5850,MF5880	Multifunction Laser Printer /Scan/Copy	600x600dpi to 1200x600dpi	yes	Great	Great	Good	\$\$\$
ImageCLASS MF7460, MF7470, MF7480	Multifunction Laser Printer /Scan/Copy	600x600dpi to 1200x600dpi	yes	Great	Great	Good	\$\$\$\$

\*HP or Canon Laser Black only FAX machines work too!

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\*\*ImageCLASS= i-SENSYS (same machine different name in UK and Europe)