

Glass Stein Transferring Instructions

Read these instructions completely before you begin. Call if you have any questions.

Supplies Needed

- King Coat™ dye sub Glass Steins
- Heat Tape
- Heat Gloves or Oven Mitts
- Mug Press or UltraWrap™

Step 1: Adjust the Heat Press or Oven

Glass steins can be imaged using either a standard mug press, or an UltraWrap™ in a standard oven (not a microwave). Times and temps vary based on the method used.

Heat Press Temperature:	390-400° F
Dwell Time:	Mug Press: 4.0 – 5.0 minutes UltraWrap: 8.5 – 9.5 minutes
Pressure:	Firm

Note: These instructions, including transfer times and temperatures, are based on the inks, paper, presses, and products we use. Your inks, papers, etc. may require adjustments in your time/temp settings.

Step 2: Design Your Transfer

1. While you can get a full bleed off the top of a Frosted Glass Stein, the bottom is very thick glass, and takes longer to heat up. For best results, we recommend leaving a space of at least 1¼" at the top and bottom of the stein. Please note, the limitations of your pressing device will dictate the available printing area.
2. Print your sublimation transfer in the usual way.

Note: White panel steins are designed to carry the image on the panel only. Frosted steins can be imaged up to the rim. However, the glass at the bottom of a stein is very thick and does not heat as fast as the rest of the glass. If you heat long enough to transfer an image to the base of the stein, you will burn-out the image at the top of the stein. For best results, restrict your image to the area above the base.

Step 3: Transfer the Image

1. Wrap your transfer around the stein. It should fit from the lip to 1¼" from the bottom of the stein. For the white panel stein you may cut the transfer to size for easy placement. Look through the back of the stein to easily align with the white panel.
2. Using heat tape, secure the ends of your transfer to the right and left of the handle only, or just under the handle. Do not tape across the top or bottom of the transfer.

3. If you are using a Geo. Knight DK3 mug press: Place the stein in your press as you normally would. Using **Firm** pressure, press at **390-400° F** for **4.0-5.0 minutes**.
4. If you are using an ORG3 or Cactus mug press: Lower the stein into the press with the bottom facing **up**. Using **Firm** pressure, press at **390-400° F** for **4.0-5.0 minutes**.
5. If you are using an UltraWrap™ or other heat wrap: Follow the below instructions for using an UltraWrap™ heat wrap. **Preheat** oven to **Bake at 425° F (400° F** in convection oven). For best results, oven must be at full temperature prior to using UltraWrap™ Heat Wraps. Bake Glass Stein in oven for 8.5 – 9.5 minutes.
6. When the stein is done, carefully remove your transfer, place the stein on a table to cool. Let the stein cool completely before touching it. **Do NOT immerse a frosted stein in water to cool.** While it is still hot off the press, the frosted coating can scratch very easily, but it will harden again when it cools.

Note: While dipping in water is a favorite cooling technique for ceramic mugs, frosted glass steins are subject to thermal shock. They may crack or break under drastic temperature changes.

Transfer Tips & Techniques

- Strong, dark colors such as red, black, green, and purple create a brighter look than pastels and yellows. If you have to use yellow or pastel colors on a frosted stein, we recommend saturating your colors, or enhancing that area with a black outline.
- If you notice any paper sticking, try reducing the temperature. If that does not help right away call Customer Service for immediate assistance.
- Hand-wash only. Glass steins are not recommended for dishwashers.

Customer Support

For support on these or any of our products, please call our toll-free number for assistance: **877.795.1500**. You may also write to us at Support@LaserReproductions.com.