

## Ceramic Ornaments

JOHNSON PLASTICS  
PLUS

### CERAMIC ORNAMENTS - Sublimation

SUB4108 | SUB4103 | SUB003 | SUB020 | SUBCIR | SUBSQU | SUBOCT | SUBFLO | SUBCIR2



## GENERAL SUBLIMATION PROCESS

### Recommended Equipment & Accessories

- Sublimation Printer
- Standard Flat Heat Press- Swing-away style press recommended
- Heat Tape
- Heat pad (Nomex Felt pad recommended)
- Blowout paper
- Recommended: Nomex felt pad (FLT121620) or similar pad

<b>Recommended Settings</b>	
Time	160-170 sec.
Temperature	390-400°F
Pressure	Light

### **General Sublimation Instructions**

- Preheat the heat press to 390-400°F. Set the time to 160-170 sec., set pressure to light.
  - Use of a heat pad such as a Nomex felt pad is recommended.
  - Place the pad on the bottom platen of the heat press and then adjust the press pressure so that the pad does not compress, or at most, compresses very minimally when the press is closed.
- Place the ornament blank face down onto the printed transfer. Secure the blank to the transfer paper with heat tape.
- Place blowout paper onto the heat pad.
- Place the ornament blank with attached transfer onto the sheet, with transfer on top or bottom.
  - To help the image slightly wrap around the rounded edges of the ornament blank during the press cycle, place transfer paper on the bottom of the ornament.
- Place another piece of blowout paper on top of the transfer sheet.
- Close and press for recommended time.
- When finished, open heat press and remove the ornament using heat gloves. Remove the transfer paper and discard.
- Set the ornament aside to cool.
  - It is not recommended to dip the ornament into room temperature water to speed up the cooling process.
- Repeat the above steps on the second side.

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### **Tips and Tricks**

- For best image placement, utilize the product template found on the product page on [JPPlus.com](http://JPPlus.com).
- Use of a heat pad such as a Nomex felt pad is recommended.
- To help the image slightly wrap around the rounded edges of the ornament blank during the press cycle, place transfer paper on the bottom of the ornament.
- It is not recommended to dip the ornament into room temperature water to speed up the cooling process.
- When pressing both sides of the ornament at the same time, it is not recommended to use heat tape to secure one or both transfers to both sides of the ornament. Instead, place the first transfer paper face up on the blowout paper that is on the heat pad on the press. Place the ornament blank onto the transfer. Then place the second transfer on top of the ornament blank with the image face down. Then place a piece of blowout paper on top of the top transfer sheet.

- When closing and opening the press, move slowly and be careful not to force the press open or closed to prevent the transfer papers from shifting.
  - If needed, a very light spray of removable adhesive could be applied to the transfer paper surfaces to help hold the positioning of the transfer papers on both sides of the ornament blanks.
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## **Troubleshooting**

- The image came out light and/or faded.
  - The time setting may need to be increased.
  - The temperature setting may need to be increased.
  - The pressure setting on the press or wrap may be too light and need to be increased for better contact between the sublimation transfer paper and the surface of the product.
  - The press or oven may not be heating at the temperature set on the display.
  - The sublimated image may have been printed on the wrong side of the sublimation paper.
- The image colors are dull on the sublimated product.
  - The press/heat time may need to be decreased.
  - The press/heat temperature may need to be decreased.
  - The print settings may need to be adjusted. Also check that the proper paper type and/or color profile is selected before printing the image.
- The image colors are not correct on the sublimated product.
  - The print settings may need to be adjusted. Also check that the proper paper type and/or color profile is selected before printing the image.
  - Convert the colors used in the image to RGB color mode in the design/layout software before printing.
  - If spot colors are used in the image (common for logos), convert the spot colors to RGB color mode in the design/layout software before printing.
- The sublimation paper is brown and sticking to the product.
  - The press/heat time may need to be decreased.
  - The press/heat temperature may need to be decreased.
  - The pressure setting may need to be decreased.
  - Use of a different sublimation paper brand or type may be needed for the particular product.
- The sublimated image appears blurry or fuzzy.
  - The pressure setting may need to be increased.
  - The sublimation transfer paper may need to be secured to the product to prevent the paper from moving.
  - The sublimatable coating on the product may be defective.
- The sublimation blank sticks to the top of the heat press when it is opened.
  - Place an additional piece of blowout paper or Teflon sheet on top of the sublimation blank and/or transfer paper before closing the press. This will help protect the surface of the product or transfer sheet, as well as prevent the vacuum effect that can cause the item to stick to the top platen when first opening the press.

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### **Templates and Images**

- Visit [jpplus.com](https://jpplus.com) to find the product page for this item. The product template may be found under the Tech Docs and Downloads area of the page.

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**To order more of this product, see similar products and much more, please visit [JPPlus.com](https://JPPlus.com).**

For additional product support and troubleshooting, please contact JPPlus Advanced Support Team:

- Phone: 419-500-4877
- Email: [ast@jpplus.com](mailto:ast@jpplus.com)
- Schedule an appointment: [jpplusadvancedsupport.setmore.com/](https://jpplusadvancedsupport.setmore.com/)