

Large Crystal Photo Cube with Box

JOHNSONPLASTICS
PLUS

LARGE CRYSTAL PHOTO CUBE WITH BOX - Sublimation

CRCUBE5



GENERAL SUBLIMATION PROCESS

Recommended Equipment & Accessories

- Sublimation Printer
- Standard Flat Heat Press- Swing-away style press recommended
- Heat Tape
- Teflon sheet or Blowout paper
- Green Sponge Heat Pad (XP8216 or XP8217) (recommended)
- Heat gloves or oven mitt
- Paper towel or cloth with water or isopropyl alcohol

Recommended Settings- WITH Green Sponge Heat Pad	
Time	270-300 seconds (4.5-5 minutes)
Temperature	390-400°F
Pressure	Heavy

Recommended Settings- WITHOUT Green Sponge Heat Pad	
Time	180-210 seconds (3-3.5 minutes)
Temperature	355-360°F
Pressure	Medium-Heavy

General Sublimation Instructions – WITH Green Sponge Heat Pad (*preferred method*)

- Preheat heat press to 390-400°F. Set press time to 270-300 seconds/ 4.5-5 min.
- Print image onto the transfer paper- TURN IMAGE MIRRORING OFF.
- Trim the edges of the image if necessary and place transfer sheet face down on the back side (white coated side) of the Crystal Cube. Secure transfer paper to the Crystal Cube with heat tape.
- Place a Teflon sheet or blowout paper onto the bottom platen of the heat press.
- Before placing the Crystal Cube onto the press, adjust press pressure if necessary and close the press (empty) for 45-60 sec. to heat the bottom platen of the press.
- After heating the bottom platen, open the press and re-adjust the press pressure to heavy for pressing the Crystal Cube.
- Place the Crystal Cube with attached transfer sheet onto the heat press with transfer sheet on top.
- Place the Green Sponge heat pad on top of the transfer paper.
- Close and press for the allotted time.
- After pressing is finished, open the press. Use heat gloves or an oven mitt to remove the Green Sponge heat pad. Then carefully remove the Crystal Cube. Carefully remove the transfer paper from the cube and discard. Set the Crystal Cube aside to cool.
- Allow the Crystal Cube to air cool for at least 20-30 min. Double-check that it is cool enough to the touch before handling.
- If bits of transfer paper are left on the back side of the Crystal Cube after peeling, dampen a cloth or paper towel lightly with water or isopropyl alcohol. Gently rub the bits of paper until they are removed from the back of the Crystal Cube.

General Sublimation Instructions – WITHOUT Green Sponge Heat Pad

- Preheat heat press to 355-360°F. Set press time to 180-210 sec./3-3.5 min.
- Print image onto the transfer paper- TURN IMAGE MIRRORING OFF.

- Trim the edges of the image if necessary and place transfer sheet face down on the back side (white coated side) of the Crystal Cube. Secure transfer paper to the Crystal Cube with heat tape.
 - Place a Teflon sheet or blowout paper onto the bottom platen of the heat press.
 - Before placing the Crystal Cube onto the press, adjust press pressure if necessary and close the press (empty) for 45-60 sec. to heat the bottom platen of the press.
 - After heating the bottom platen, open the press and re-adjust the press pressure to medium-heavy for pressing the Crystal Cube.
 - Place the Crystal Cube with attached transfer sheet onto the heat press with transfer sheet on top. Place blowout paper on top of the transfer paper.
 - Close and press for the allotted time.
 - After pressing is finished, open the press. Use heat gloves or an oven mitt to remove the Crystal Cube. Carefully remove the transfer paper from the cube and discard. Set the Crystal Cube aside to cool.
 - Allow the Crystal Cube to air cool for at least 20-30 min. Double-check that it is cool enough to the touch before handling.
 - If bits of transfer paper are left on the back side of the Crystal Cube after peeling, dampen a cloth or paper towel lightly with water or isopropyl alcohol. Gently rub the bits of paper until they are removed from the back of the Crystal Cube.
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Tips and Tricks

- For best image placement, utilize the product template found on the product page on JPPlus.com.
 - After the heat press has heated to the press temperature, close and press the heat press empty for at least 3-5 minutes to allow the bottom platen to heat up.
 - Heating the bottom platen often helps balance the transfer of heat from the top heat platen to the product blank, ensuring a more successful transfer of the sublimation image to the product surface.
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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 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.

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

- Phone: 419-500-4877
- Email: ast@jpplus.com
- Schedule an appointment: <https://jpplusadvancedsupport.setmore.com/>