CONDÉ™

HARD SURFACE PAPERS INSTRUCTION GUIDE

LaserMPrints Hard Surface Transfer Paper for Color Laser Copiers & Color Laser Printers

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Ordering Info: Tel 1-800-826-6332 / Fax 1-251-633-3876 / www.conde.com

LaserMPrints Hard Surface I

Overview

Description

LaserMPrints Hard Surface I is for imaging to hard substrates with a smooth surface in full color using a color laser copier or color laser printer and commercial heat press.

Print image in mirror, reverse or flip horizontal and heat apply.

LaserMPrints Hard Surface I is a self-weeding paper that only releases the image to the substrate, not the excess emulsion. Using our instructions, most imaged substrates will have scratch resistant protection.

Due to the varying substrates that can be used with this product, please refer to the detailed instructions provided in this booklet.

Recommended Materials

White or Light Colored
Metal
Plastic
Unisub Metals
Coated Wood (Lacquered)
Ceramic Tiles
Ceramic Mugs
Some types of Cardboard

Accessories Required

Color Laser Copier or Printer,
Heat Press, Foam Heat Pad.
Felt Pad (optional)

Printable side

The printable side (white glossy coated side) It is also the adhesive side

Pressure Settings

Heavy Pressure is required for the image to completely adhere to the hard substrate.

Image Design

This paper works best with a full bleed image. When designing your image, ensure that you bleed your image at least 0.5 inches more than the substrate.

Peeling

Depending on the substrate you are imaging, the peel could be cool or hot. Please read instructions for substrate carefully.

Care Instructions

After imaging, do not put in direct sunlight. Store at room temperature.

Storage

LaserMPrints Hard Surface I can store for 12-18 months. Keep paper in ziplock bag or seal container. Keep away from direct heat, humidity and sunlight.

Acrylic

Instructions

Hard Surface I

Paper Mode:	Color to Label 1
Print mode	Mirror Image
Temperature:	300F
Time:	60 seconds
Peel:	Cool
Pressure:	Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Acrylic

Any white or light colored acrylic

Materials Required:

Heat Press, Laser Printer, Felt Heat Pad, Acrylic substrate

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in color to label 1 mode, mirror image
3.) Place substrate with image side face up
4.) Place imaged paper with image face down
5.) Place foam pad on top
6.) Press for 300F at 60 seconds.
7.) Wait for substrate to cool and peel backing off cool.

Cardboard Puzzles

Instructions

Hard Surface I

Paper Mode:	Heavy to Label 1
Print Mode:	Right Reading
Temperature:	300F
Time:	60 sec
Peel:	Hot
Pressure:	Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Cardboard Puzzles

Any white or light colored cardboard puzzle.

Materials Required:

Heat Press, Laser Printer, Foam Heat Pad, Cardboard Puzzle

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Place substrate with image side face up
4.) Place imaged paper with image face down onto substrate
5.) Place foam heat pad on top of substrate
6.) Press at 300F for 60 seconds. Use Heavy Pressure. Peel hot.

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Ceramic Mugs

Instructions

Hard Surface I

11oz Mugs
Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 360F
Time: 150 sec
Peel: Cool
Pressure: Heavy

15oz Mugs
Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 360F
Time: 175 sec
Peel: Cool
Pressure: Heavy

Curing Step
Glazing Unit
Level: 5
Curing Time: 60-85 sec

Oven
Temperature: 350F
Time: 8-10 mins

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Coated Ceramic Mugs

(sublimation or laser) Mug Press without idle time

Any white or light colored coated ceramic mugs

Materials Required:

Mug Press, Laser Printer, Foam Heat Pad, Coated Ceramic Mug, Curing Unit

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Wrap imaged paper with image facing the mug
4.) Secure the imaged paper onto mug with heat tape
5.) Wrap foam pad around mug and place into mug press.
6.) Adjust pressure accordingly. Ensure pressure is heavy
7a.) For 11oz mugs, close mug press and press at 360F for 150 sec
7b.) For 15oz mugs, close mug press and press at 360F for 175 sec.
8.) Let Mug cool and dunk into cold water. Then peel paper off.
Note: Not enough pressure will result in incomplete image transfer

Curing - This step is requied for the mug to become scratch resistant

Option 1: Glazing Unit
1.) Ensure the mug is at room temperature
2.) Place mug on curing unit.
3.) Set curing level to 5
4a.) For 11oz mug, cure for 60 seconds
4b.) For 15oz mug, cure for 75-85 seconds

Option 2: Oven
1.) Ensure the mug is at room temperature
2.) Place mug on in oven.
3.) Set temperature to 350F
4a.) For 11oz mug, cure for 8-10 mins
4b.) For 15oz mug, cure for 8-10 mins

Ceramic Mugs

Instructions

Hard Surface I

11oz Mugs

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Idle Temp: 300F
Press Temp:: 360F
Time: 100 sec
Peel: Cool
Pressure: Heavy

15oz Mugs

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 360F
Time: 125 sec
Peel: Cool
Pressure: Heavy

Curing Step

Glazing Unit
Level: 5
Curing Time: 60-85 sec

Oven
Temperature: 350F
Time: 8-10 mins

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Coated Ceramic Mugs

(sublimation or laser) Mug Press with idle time

Any white or light colored coated ceramic mugs

Materials Required:

Mug Press, Laser Printer, Foam Heat Pad, Coated Ceramic Mug

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Set Mug Press Idel temperature at 300F
3.) Wrap imaged paper with image facing the mug
4.) Secure the imaged paper onto mug with heat tape
5.) Wrap foam pad around mug and place into mug press.
6.) Adjust pressure accordingly. Ensure pressure is heavy
7.) Ensure that the mug press is at idle temperature 300F
8a.) For 11oz mugs, close mug press and press at 360F for 100 seconds
8b.) For 15oz mugs, close mug press and press at 360F for 125 seconds
9.) Let Mug cool and dunk into cold water. Then peel paper off.
Note: Not enough pressure will result in incomplete image transfer

Curing - This step is requied for the mug to become scratch resistant

Option 1: Glazing Unit

1.) Ensure the mug is at room temperature
2.) Place mug on curing unit.
3.) Set curing level to 5
4a.) For 11oz mug, cure for 60 seconds
4b.) For 15oz mug, cure for 75-85 seconds

Option 2: Oven

1.) Ensure the mug is at room temperature
2.) Place mug on in oven.
3.) Set temperature to 350F
4a.) For 11oz mug, cure for 8-10 mins
4b.) For 15oz mug, cure for 8-10 mins

Ceramic Tiles

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 330F
Time: 300 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Ceramic Tiles Full Bleed Image

Any white or light colored uncoated or coated Ceramic Tiles. These instructions are meant for a full bleed image.

Materials Required:

Heat Press, Laser Printer, Felt Heat Pad, Foam Heat Pad, Ceramic Tile

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Place felt pad onto heat press
4.) Place imaged paper with image face up onto felt pad
5.) Place substrate on top of paper with image side face down
Note: You can secure the paper and substrate with heat tape
6.) Place Foam Heat Pad on top of substrate to protect heat press
7.) Press at 330F for 300 seconds. Use heavy pressure and peel cool.

Note: Too much pressure and you will crack the tile, not enough pressure will cause beveled areas not to image completely

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 330F
Time: 180 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Ceramic Tiles Non Full Bleed Image

Any white or light colored uncoated or coated Ceramic Tiles. These instructions have a shorter press time for non full bleed images only.

Materials Required:

Heat Press, Laser Printer, Foam Heat Pad, Ceramic Tile

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Place substrate with image side face up
4.) Place imaged paper with image face down
5.) Place foam pad on top
6.) Press for 330F at 180 seconds using heavy pressure
7.) Wait for substrate to completely cool before peeling paper off.

Note: This instructions set is for images that do not bleed over to the side. The shorter time will allow for faster production of tiles that do not have full bleed images.

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Crystal/Glass

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 300F
Time: 60 seconds
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Crystal/Glass

Any transparent Crystal or Glass substrate.

Materials Required:

Heat Press, Laser Printer, Felt Heat Pad, Acrylic substrate

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in color to label 1 mode
3.) Place substrate with image side face up
4.) Place imaged paper with image face down
5.) Place foam pad on top
6.) Press for 300F at 60 seconds.
7.) Wait for substrate to cool and peel backing off cool.

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Leather/Magnets

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 300F
Time: 60 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Uncoated Magnetic Sheeting

Any white or light colored uncoated magnetic sheeting.

Materials Required:

Heat Press, Laser Printer, Foam Heat Pad, Uncoated Magnets

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Place substrate with image side face up
4.) Place imaged paper with image face down onto substrate
5.) Place foam heat pad on top of substrate
6.) Press at 300F for 60 seconds. Use Heavy Pressure. Peel cool.

Metal

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 330F
Time: 90 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Anodised Metal (Brass)

Any white or light colored uncoated metals. This includes, silver, gold, and white metals

Materials Required:

Heat Press, Laser Printer, Foam Heat Pad, Metal Substrate

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in color to Label 1 mode depending on your printer
3.) Place substrate with image side face up
4.) Place imaged paper with image face down onto substrate.
5.) Place foam heat pad on top
4.) Press for 330F at 90 seconds, use medium to heavy pressure
5.) Wait for substrate to cool and peel with even and smooth motion

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 330F
Time: 180 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

DynaSub/UNISUB Metals

Any white or light colored coated metal for sublimation. This includes silver, gold, and white metals

Materials Required:

Heat Press, Laser Printer, Foam Heat Pad, Metal Substrate

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in color to Label 1 mode depending on your printer
3.) Place substrate with image side face up
4.) Place imaged paper with image face down onto substrate.
5.) Place foam heat pad on top
6.) Press for 330F at 180 seconds, use medium to heavy pressure
7.) Wait for substrate to cool and peel with even and smooth motion

Wood

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 275F
Time: 120 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Coated Wood (Lacquered)

Any white or light colored coated wood. Wood substrates that are sensitive to heat and warp when heats are not recommended. Not all coated wood surfaces will work, please thoroughly test before commerical production.

Materials Required:

Heat Press, Laser Printer, Foam Heat Pad, Ceramic Tile

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Place substrate with image side face up
4.) Place imaged paper with image face down onto substrate
5.) Place foam heat pad on top of substrate
6.) Press at 275F for 120 seconds. Use heavy pressue. Peel cool.

Note: Do not press at higher temperatures as the coating on the wood may be heat sensitive and may cause bubbles to form.

Aluminum Bottle

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 360F
Time: 200 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Aluminum Bottle
(sublimation) Mug Press without idle time

Any white or light colored Sublimatable Aluminum Bottle.

Materials Required:
Mug Press, Laser Printer, Foam Heat Pad, Aluminum Bottle

Instructions
1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Wrap imaged paper around bottle with image facing bottle.
4.) Wrap felt heat pad around bottle
5.) Place bottle in mug press
6.) Close mug press and press for 360F at 200 secs
7.) Let Bottle cool and dunk into cold water. Then peel paper off.
Note: Not enough pressure will result in incomplete image transfer
No Glazing is required for scratch resistance.

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Idle Temp: 300F
Press Temp: 360F
Time: 150 sec
Peel: Cool
Pressure: Heavy

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Aluminum Bottle
(sublimation) Mug Press with idle time

Any white or light colored Sublimatable Aluminum Bottle.

Materials Required:
Mug Press, Laser Printer, Foam Heat Pad, Aluminum Bottle

Instructions
1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer.
3.) Wrap imaged paper around bottle with image facing bottle.
4.) Set mug press to idle at 300F. Ensure that it is at idle temperature.
5.) Wrap Foam heat pad around bottle. Place bottle in mug press.
6.) Close mug press and press for 360F at 150 secs
7.) Let Bottle cool and dunk into cold water. Then peel paper off.
Note: Not enough pressure will result in incomplete image transfer
No Glazing is required for scratch resistance.

Stainless Steel Bottle

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Temperature: 360F
Time: 100 sec
Peel: Cool
Pressure: Heavy

Curing Step
Level: 3
Curing Time: 10-12 sec

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Stainless Steel Bottle

(sublimation) Mug Press without idle time

Any white or light colored Sublimatable Stainless Steel Bottle.

Materials Required:

Mug Press, Laser Printer, Foam Heat Pad, Stainless Steel Bottle, Curing Unit

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Wrap imaged paper around bottle with image facing bottle.
4.) Wrap felt heat pad around bottle
5.) Place bottle in mug press
6.) Close mug press and press for 360F at 100 secs
7.) Let Bottle cool and dunk into cold water. Then peel paper off.
Note: Not enough pressure will result in incomplete image transfer

Curing The Bottle

This step is required for the bottle to become scratch resistant.
1.) Ensure the bottle is at room temperature
2.) Place bottle on curing unit.
3.) Set curing unit to level to 3
4.) Cure for 10-12 seconds
Note: DO NOT GO OVER 12 SECONDS. Overcuring can cause the coating on the bottle to discolor and burn.

Stainless Steel Bottle

Instructions

Hard Surface I

Paper Mode: Color to Label 1
Print Mode: Mirror Image
Idle Temp: 300F
Temperature: 360F
Time: 50 sec
Peel: Cool
Pressure: Heavy

Curing Step
Level: 3
Curing Time: 10-12 sec

LaserMPrints Hard Surface I: For OKI C6100 & C6150 print in Glossy mode

Stainless Steel Bottle

(sublimation) Mug Press with idle time

Any white or light colored Sublimatable Stainless Steel Bottle.

Materials Required:

Mug Press, Laser Printer, Foam Heat Pad, Stainless Steel Bottle, Curing Unit

Instructions

1.) Insert into bypass tray and print mirror imaged.
2.) Print image in Color to Label 1 mode depending on your printer
3.) Wrap imaged paper around bottle with image facing bottle.
4.) Set mug press to idle at 300F. Ensure that it is at idle temperature.
5.) Wrap Foam heat pad around bottle. Place bottle in mug press
6.) Close mug press and press for 360F at 50 secs
7.) Let Bottle cool and dunk into cold water. Then peel paper off.
Note: Not enough pressure will result in incomplete image transfer

Curing The Bottle

This step is required for the bottle to become scratch resistant.
1.) Ensure the bottle is at room temperature
2.) Place bottle on curing unit.
3.) Set curing unit to level to 3
4.) Cure for 10-12 seconds
Note: DO NOT GO OVER 12 SECONDS. Overcuring can cause the coating on the bottle to discolor and burn.