Case Examples for Clear Coating

How This Manual Is Organized

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Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our products, if you need an exact specification, please contact Canon.
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1 Preface

This chapter is an introduction to the Clear Coating features, and explains how to use this guide.

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Overview of the Clear Coating Feature

Clear coating is a printing feature that uses transparent and colorless toner. You can use the clear coating feature in conjunction with a copy or print job, or you can use it independently by using preprinted paper.

**IMPORTANT**
For information on the Coating features, contact your local authorized Canon dealer.

**NOTE**
The print result varies, depending on the paper type.
- If the clear coating feature is executed on matte paper, the print result may be glossy.
- If the clear coating feature is executed on coated paper, the print result may be less glossy.

Using the Clear Coating Feature in Conjunction with a Copy or Print Job

**Coating a Part of the Paper (Clear Coat Form Composition)**
The Clear Coat Form Composition mode enables you to copy or print a clear image that has been stored on the hard disk of your machine or a print server onto the original image. In this mode, cyan, magenta, yellow, and black toners are used for copying/printing the original image, and clear toner is used for printing the image form over the original image. Blank paper is required to execute this mode. This mode is available for the Copy, Mail Box, and Printer function using a printer driver.
Using the Clear Coating Feature with Preprinted Paper

Coating a Part of Preprinted Paper (Clear Coat Form Composition)

The Clear Coat Form Composition mode enables you to print a clear image that has been stored on the hard disk of your machine or a print server onto the preprinted paper. In this mode, only clear toner is used. This mode is available for the Coating, and imagePRESS Server Q2’s print function.

Coating the Full Surface of the Paper (Clear Coat Entire Page)

The Clear Coat Entire Page mode enables you to coat the full surface of the paper while copying or printing. In this mode, cyan, magenta, yellow, and black toners are used for copying/printing the original image, and clear toner is used for coating. Blank paper is required to execute this mode.

This mode is available for the Copy, Mail Box, and Printer function using a printer driver.

NOTE

• [Clear Coat Form Comp.] is a name displayed for the Copy function and Mail Box function. The name may differ for the Printer function.
• If you are using a fine reticulated image as the image form, the stereoscopic effect (a 3-D illusion) can be produced, as if you were using embossed paper.
• When you copy or print a clear image onto the original using a printer driver, it is recommended to use the same printer driver which you used for creating the image form.
Coating the Full Surface of Preprinted Paper (Clear Coat Entire Page)

The Clear Coat Entire Page mode enables you to coat the full surface of the preprinted paper. In this mode, only clear toner is used. This mode is available for the Coating, and imagePRESS Server Q2's print function.
How to Use This Guide

This section describes what you should know before reading each case example.

Illustrations Used in This Guide

Illustrations used in this guide depict the print result, which depends on the paper type. The gray coloring with halation on the illustration represents the clear toner.

Example)

Clear Toner Is Not Used

Clear Toner Is Used

Procedures Used in This Guide

In this guide, only one example is described for each procedure. Although some procedures have alternatives in settings or equipment you use, they are not mentioned in this guide.

For example, you can load paper into the paper drawer, optional paper deck, or stack bypass, but only one way is described in this manual.

Please note that the procedure may differ from the example described in this guide, depending on the equipment you select. For more information on the other procedures, see the Reference Guide, Copying and Mail Box Guide, and Coating Guide.

IMPORTANT

Make sure to place the original scanned into the machine as an image form onto the platen glass. The original cannot be scanned from the optional feeder.
Case Examples for Clear Coating

This chapter provides case examples for clear coating, and describes the procedures for the examples.

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Case 1  How to Coat a Part of the Paper Using the UFR II Printer Driver

This section describes how to coat a part of the paper using the UFR II printer driver from your computer.
In this case, the following procedure describes how to superimpose multiple clear images of different numbers onto multiple pages of originals.

■ Finished Sample

■ Workflow
1-1 Create the image forms.
   ↓
1-2 Store the image forms.
   ↓
1-3 Load the paper.
   ↓
1-4 Superimpose the image forms onto the originals.

■ Material Requirements

NOTE
• Paper Drawer 1 is used as the paper source in this example.
• The optional Color UFR II/PCL/PS Printer Kit is used to print the image form in this example.
1-1 Creating Image Forms

Use a software application to create the image forms that will be superimposed with the clear toner.

Microsoft Word is used as the software application in which the "1" is entered as the image form.

If you enter different numbers page by page, such as "1" on the first page and "2" on the second page, "1" is superimposed on the first page of the original and "2" is superimposed on the second page of the original.

1-2 Storing the Image Forms

Store the image forms on the hard disk of the machine using the UFR II printer driver.

1. Open the file containing the image forms → select [Print] from the [File] menu.
Case 1 How to Coat a Part of the Paper Using the UFR II Printer Driver

2. Select the printer name of this machine from the drop-down list → click [Properties].

3. Click the [Page Setup] tab → click [Page Options].

4. Click the [Clear Coating] tab.

5. Select the [Create a Form File] radio button.
6 Enter "Form_01" in [File Name] → click [OK].

7 Click [OK].

8 Click [OK].

The image forms are stored on the hard disk of the machine.
1-3 Loading Paper

Load blank paper into Paper Drawer 1.

1-4 Superimposing the Image Forms onto the Original

1. Open the file containing the original that you want to print → select [Print] from the [File] menu.

2. Select the printer name of this machine from the drop-down list → click [Properties].
3 Click the [Page Setup] tab → click [Page Options].

4 Click the [Clear Coating] tab.

5 Select the [Use Clear Coating on Form Composition] radio button.

6 Select the [Form_01] in [File List].
7 Select [By Page] from the Application drop-down list → click [OK].

8 Click the [Paper Source] tab.

9 Select [Drawer1] from the Paper Source drop-down list → click [OK].

10 Click [OK].

Printing starts, and the clear image forms are superimposed onto the original.
Case 2  How to Copy and Coat the Full Surface of Paper Simultaneously

This section describes how to coat the full surface of the paper with the clear toner while copying.

■ Finished Sample

![Finished Sample Image]

■ Material Requirements

![Material Requirements Image]

■ Workflow

2-1 Load the paper.
   ↓
2-2 Place the original.
   ↓
2-3 Specify the coating settings.

NOTE
- Paper Drawer 1 is used as the paper source in this example.
- In this example, the original is placed on the platen glass.
- An image form is unnecessary for coating the full surface of the paper in this example.
2-1 Loading Paper

Load blank paper into Paper Drawer 1.

2-2 Placing the Original

Place the original on the platen glass. Be sure to place the original face down, and align the top edge of the original with the back edge of the platen glass (by the arrow in the top-left corner).

2-3 Specifying the Coating Settings

Specify the coating settings from the Regular Copy Basic Features screen.

1. Press [Copy] to display the Regular Copy Basic Features screen.

2. Press [Paper Select].

3. Select Paper Drawer 1 → press [Done].
4 Press [Special Features].

5 Press [Clear Coat Entire Page] → press [Done].

6 Press (Start).

Copying starts, and the clear toner is applied to the full surface of the output paper.
Case 3  How to Coat the Full Surface of Preprinted Paper

This section describes how to coat the full surface of paper that already has printing on it (preprinted paper).

In this case, the following procedure describes how to make two copy sets with coated preprinted paper, and stapled in the top-left corner from the Coating Basic Features screen.

NOTE

If you want to change the amount of clear toner deposited on paper, you can adjust the clear toner density from the Additional Functions screen. This section also describes how to adjust the clear toner density after the copies are output.

■ Finished Sample

■ Material Requirements

■ Workflow

3-1 Load the preprinted paper.

3-2 Specify the Coating settings from the Coating Basic Features screen.

3-3 Adjust the clear toner density from the Additional Functions screen.

Repeat steps 3-1 and 3-2, and check the print results.

NOTE

• Paper Drawer 1 is used as the paper source in this example.
• The optional Saddle Finisher-AA2 is used for stapling in this example.
3-1 Loading Preprinted Paper

Load the preprinted paper into Paper Drawer 1.
When loading the preprinted paper, follow the instructions below.

1. Collate the preprinted paper in reverse numerical order.
2. Load the preprinted paper face down into Paper Drawer 1.

NOTE
When loading preprinted paper, align the top edge of the preprinted paper with the back edge of Paper Drawer 1.

3-2 Specifying the Coating Settings

Specify the Coating settings from the Coating Basic Features screen.

1. Press [Coating] to display the Coating Basic Features screen.
2. Press [Paper Select].
3. Select Paper Drawer 1 ➞ press [Done].
4 Press [Clear Coat Entire Page].

5 Press [Enter No. of Sheets] → enter "2" (the number of sheets per copy) using ① - ⑦ (numeric keys).

6 Press [Enter No. of Copies] → enter "2" (the number of copies) using ① - ⑦ (numeric keys).

7 Press [Finishing].

8 Press [Staple] → [Next].

9 Press [Corner] → [Top Left] → [OK].
10 Press [Start Coating].

Copying starts, and the preprinted paper is coated and stapled in the top-left corner.

---

### 3-3 Adjusting the Clear Toner Density

If you want to change the amount of clear toner deposited on the preprinted paper after checking the print results, adjust the clear toner density from the Additional Functions screen.

The following procedure describes how to decrease the clear toner density.

1. Press 📋 (Additional Functions) → [System Settings].

2. Press [Device Management Settings].
3 Press [Adjust Clear Toner Density].

4 Press [Light] → [OK] → [Done] repeatedly until the Basic Features screen appears.

Repeat steps 3-1 and 3-2 in the workflow on p. K2-12.

The clear toner density is adjusted, and the preprinted paper is coated with lighter clear toner and stapled in the top-left corner.
Case 4 How to Coat a Part of a Document Stored in the Machine

This section describes how to superimpose a clear image onto a document previously stored in an inbox in the machine.

**Finished Sample**

![Image Form](image)

**Material Requirements**

- **Image Form**
- **Document in an Inbox**

**Workflow**

1. Create the image form.
2. Place the original for the image form on the platen glass.
3. Store the image form.
4. Load the paper.
5. Superimpose the image form onto the document stored in an inbox.

**NOTE**

- Paper Drawer 1 is used as the paper source in this example.
- In this example, place the original for the image form on the platen glass.
- The optional Color UFR II/PCL/PS Printer Kit is used to print the image form in this example.
4-1 Creating the Image Form

Use a software application to create the image form that will be superimposed with the clear toner. Microsoft Word is used as the software application in which the black square is created as the image form. The paper size is set to LTR. By creating the black square whose size and position is same as the image on the inbox document, only the surface of the image is coated with the clear toner when you superimpose the black square onto the document.

After creating the image form, print it using the UFR II printer driver.

4-2 Placing the Original for the Image Form

Place the original for the image form on the platen glass. Be sure to place the original face down, and align the top edge of the original with the back edge of the platen glass (by the arrow in the top-left corner).
4-3 Storing the Image Form

Store the image form on the hard disk of the machine from the Additional Functions screen on the Control Panel.

1. Press  (Additional Functions) → [Common Settings].

2. Press [Register Form for Composition].

3. Press [Register].

4. Select [LTR] (the original size of the image form) → press [Next].

5. Press [Form Name].
6 Enter "Form_01" → press [OK].

7 Press [Start].

The image form is stored on the hard disk of the machine.

4-4 Loading Paper

Load blank paper into Paper Drawer 1.
4-5 Superimposing the Image Form onto the Document Stored in an Inbox

Superimpose the image form onto the document stored in an inbox from the Special Features screen in the Mail Box function.

1. Select the desired User Inbox number from the Inbox Selection screen.

2. Select the desired document → press [Print].

3. Press [Change Pr. Settings].

4. Press [Special Features].

5. Press [Composition].

Case 4 How to Coat a Part of a Document Stored in the Machine K2-21
6 Press [Clear Coat Form Comp.].

7 Press [Settings] under <Front Side>.

8 Select [Form_01] → press [OK] → [Done] repeatedly until the Print screen appears.

9 Press [Paper Select].

10 Select Paper Drawer 1 → press [Done].

11 Press [Start Print].

Printing starts, and the clear image is superimposed onto the document.
Case 5  How to Coat a Part of Preprinted Paper

This section describes how to superimpose a clear image onto a part of the paper that already has printing on it (preprinted paper). In this case, the following procedure describes how to superimpose the clear image onto a part of preprinted paper from the Coating Basic Features screen. If you want to coat the area except the clear image slightly, you can specify the Clear Coat Form Composition Coating mode settings from the Additional Functions screen. The following procedure also describes how to specify this setting after the prints are output.

NOTE

[Clear Coat Form Composition Coating] is displayed only when your local authorized Canon dealer makes the function available. Even if [Clear Coat Form Composition Coating] is displayed, do not allow anyone to change the settings except for the system administrator. For more information on how to change the settings, contact your local authorized Canon dealer.

■ Material Requirements

■ Finished Sample

■ Workflow

5-1 Create the image form.
5-2 Place the original for the image form on the platen glass.
5-3 Store the image form.
5-4 Load the preprinted paper.
5-5 Specify the Coating settings.
5-6 Specify the Clear Coat Form Composition Coating mode.
Repeat steps 5-4 and 5-5, and check the print results.

NOTE

• Paper drawer 1 is used as the paper source in this example.
• The optional Color UFR II/PCL/PS Printer Kit is used for printing the image form in this example.
5-1 Creating the Image Form

Use a software application to create the image form that will be superimposed with the clear toner. Microsoft Word is used as the software application in which the black image is created as the image form. The paper size is set to LTR. By creating the black image in the middle of paper, only the middle area of the preprinted paper is coated with the clear toner when you superimpose the black image onto the preprinted paper.

After creating the image form, print it using the UFR II printer driver.

5-2 Placing the Original for the Image Form

Place the original for the image form on the platen glass. Be sure to place the original face down, and align the top edge of original with the back edge of the platen glass (by the arrow in the top-left corner).
5-3 Storing the Image Form

Store the image form on the hard disk of the machine from the Additional Functions screen on the Control Panel.

1. Press (Additional Functions) → [Common Settings].

2. Press [Register Form for Composition].

3. Press [Register].

4. Select [LTR] (the original size of the image form) → press [Next].

5. Press [Form Name].
6 Enter "Form_01" → press [OK].

7 Press (Start).

The image form is stored on the hard disk of the machine.

5-4 Loading Preprinted Paper

Load the preprinted paper into Paper Drawer 1. Align the top edge of the preprinted paper with the back edge of Paper Drawer 1, with the side you want to coat face down.
5-5 Specifying the Coating Settings

Specify the Coating settings from the Coating Basic Features screen.

1. Press [Coating] to display the Coating Basic Features screen.

2. Press [Paper Select].

3. Select Paper Drawer 1 → press [Done].

4. Press [Clear Coat Form Comp.].


Press [Done].

Press [Start Coating].

Copying starts, and the clear image is superimposed onto the preprinted paper.

5-6 Specifying the Clear Coat Form Composition Coating Mode

If you want to specify the Clear Coat Form Composition Coating mode settings after checking the print results, you can specify the setting from the Additional Functions screen.

The following procedure describes how to specify the Clear Coat Form Composition Coating mode settings and increase the clear toner density.

1. Press (Additional Functions) → [System Settings].

2. Press [Device Management Settings].
3 Press [Clear Coat Form Composition Coating].

4 Press [ON] → [Heavy] → [OK] → press [Done] repeatedly until the Basic Features screen appears.

Repeat steps 5-4 and 5-5 in the workflow on p. K2-23.

The clear toner density is adjusted, and the area except for the clear image is coated with the heavier clear toner.