

GMG OpenColor Spot Color Proofing with Third-Party Color Databases

Imprint

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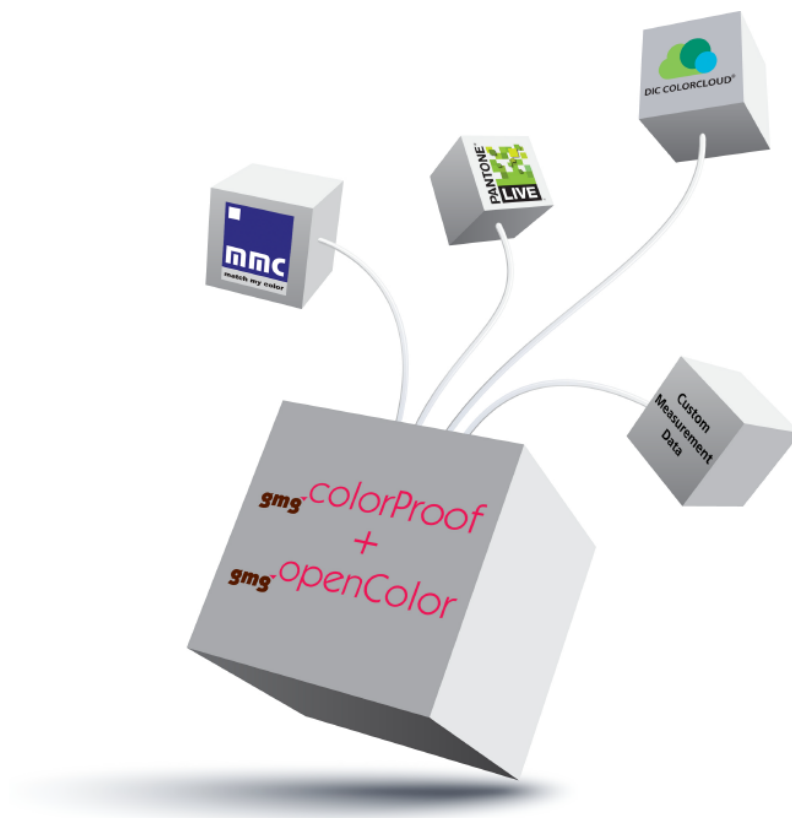
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1. Introduction

One of the hardest challenges facing brands is accurately and reliably communicating and providing spectral color definitions to all stakeholders in the packaging supply chain. To allow brand owners to connect to centrally stored color data, GMG enhanced the packaging proofing solution GMG OpenColor with plugins for seamless access to the third-party color databases **matchmycolor**, **PantoneLive** and **DIC ColorCloud**.

- ▶ Colors from external databases can be used for designs in **Adobe Illustrator**. The color references are stored in the document's metadata.
- ▶ If the document is printed in GMG ColorProof, the software analyzes the color references and logs onto GMG OpenColor.
- ▶ OpenColor connects to the external database, downloads the color specifications, and calculates a matching profile on-the-fly.



2. Matchmycolor Colibri

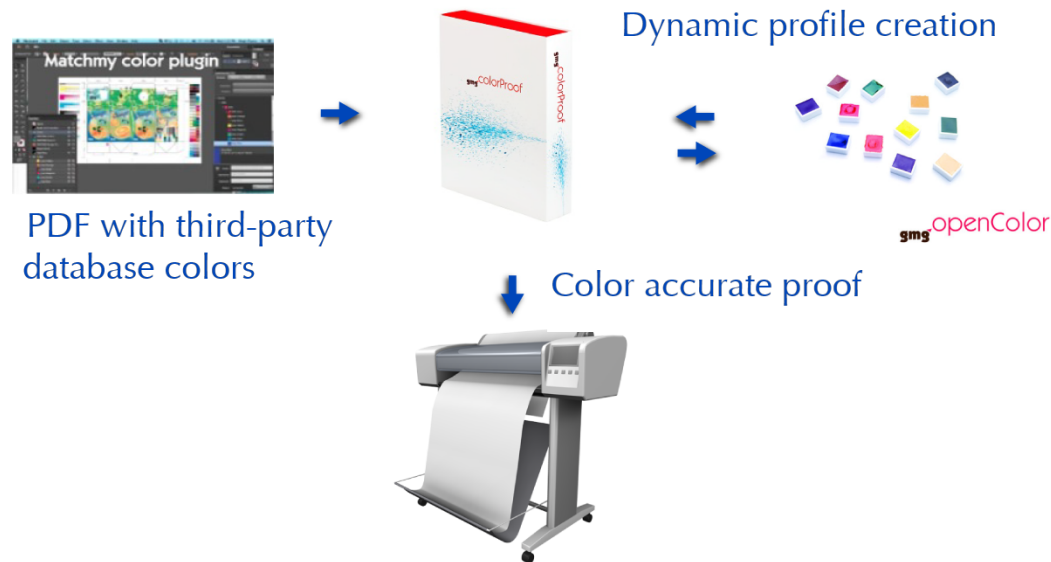


Fig. 1 Utilizing the same spectral color data for packaging design and subsequent proofing

2.1 Assigning Colibri Colors in Adobe Illustrator

Note The matchmycolor Colibri plugin is available for Adobe Illustrator CS5 and CS6.

The matchmycolor plugin for Adobe Illustrator can be downloaded for free from the matchmycolor website (**Support & Services > Downloads**).

How to install the matchmycolor plugin

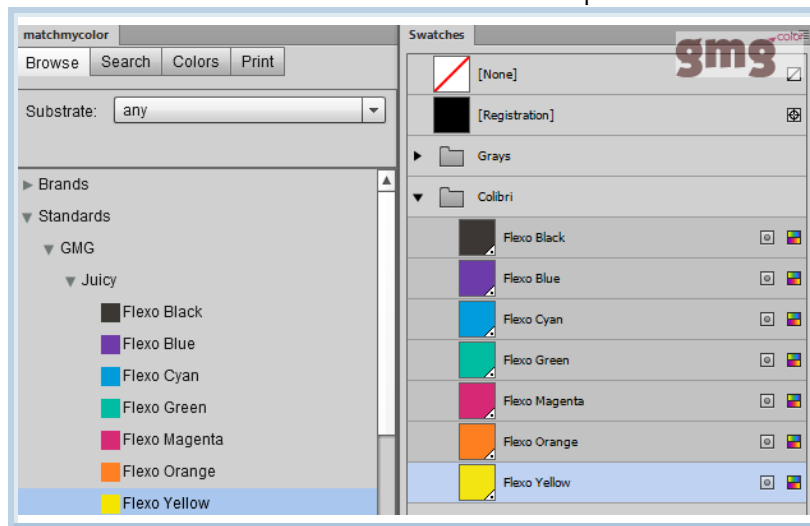
1. Click the downloaded ZXP file to launch the Adobe Extension Manager.
2. Follow the instructions of the Extension Manager.
3. When the installation is complete, click the **Close** button to exit the Extension Manager.
The plugin is now available in Adobe Illustrator (**Window** menu > **Extensions** > **matchmycolor**).

How to configure the matchmycolor plugin to access the Colibri® database

1. Start Adobe Illustrator.
2. On the **Window** menu, point to **Extensions** and select **matchmycolor Colibri**.
The matchmycolor window is displayed.
3. Enter the **URL** of the host server.
(Enter a **protocol relative** URL. This is a URL without a protocol prefix such as http or https.)
4. Enter the **User Name** and **Password** of your user account.
5. Click **Connect** to connect to the database.
The color list on the **Browse** page is populated. The colors are sorted according to different substrates comprising the two categories **Brands** and **Standards**.

How to assign Colibri colors to your design in Adobe Illustrator

1. Double-click on a color to add it to the **Swatches** palette.



2. Assign the swatches to your design to work with actual brand specification colors.
3. Optional: On the **matchmycolor** window, click the **Colors** tab to view all colors used in the document. You can also **replace** existing colors with brand or standard colors.
4. Optional: On the **matchmycolor** window, click the **Print** tab to view the channels used for printing. You can map the listed channels to the available brand or standard colors. You can furthermore define the print order (> **Use this print order**).
5. Save your design as PDF file.

2.2 Proofing Colibri Colors with ColorProof and OpenColor

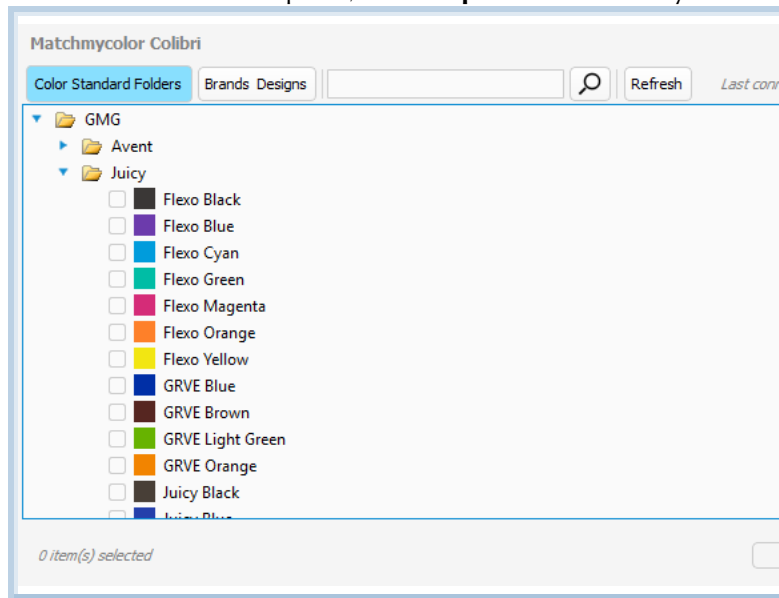
To access the Colibri database from GMG OpenColor, you first need to enter your matchmycolor Colibri **user credentials**, in the same way as in Adobe Illustrator. After that, you set up a project and import Colibri color data for proofing in GMG ColorProof.

How to configure GMG OpenColor to access the Colibri® color database

1. Start GMG OpenColor.
2. On the **Tools** menu, select **matchmycolor Colibri**.
The configuration dialog is displayed.
3. Activate the option **Connect** to allow a connection to the database.
4. Enter the **URL** of the host server.
(Enter a **protocol relative** URL. This is a URL without a protocol prefix such as http or https.)
5. Enter the **User Name** and **Password** of your user account.
6. Click **Save**.
The user credentials are saved and automatically applied each time a connection to the Colibri® color database is required.

How to import Colibri color data in GMG OpenColor

1. Start GMG OpenColor.
2. Open a project or characterization.
3. On the **Tools & Actions** panel, click **Import from Matchmycolor Colibri** to access the database.



4. Browse the color folders or search for individual colors.
(It might take some time for all colors to load after the connection is established, depending on the speed of your network connection and the size of the database. Grayed-out folders are not available for use with GMG OpenColor.)
5. Select the colors you need and click **OK** to import the data.
The color data is stored in the **Inks /Characterizations** section.

Tip To get a correct overprint simulation, it is recommended to move the color data to the appropriate place in the print order. For more information on the relevance of the print order, please refer to the OpenColor manual or integrated Help.

How to proof a PDF with Colibri colors

1. Start GMG ColorProof.
2. Create an OpenColor proof standard with the project that holds the imported Colibri data.
3. Create a job for the PDF with Colibri colors.
4. Click the **Print** button.
Connecting to GMG OpenColor, the metadata in the PDF is analyzed and the referenced color data downloaded. A matching profile is calculated, and the proof is printed.

3. PantoneLIVE

3.1 Proofing PantoneLIVE Colors with ColorProof and OpenColor

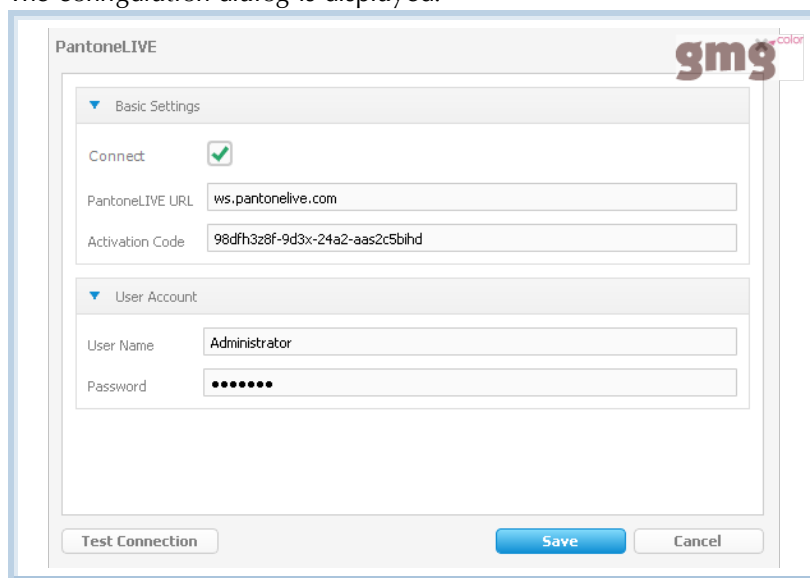
Note You need PantoneLIVE licenses to access the PantoneLIVE database and use the Adobe Illustrator plugins. The licenses need to be activated via an X-Rite account and are tied to the computer on which they are activated.

Note For information on how to access PantoneLIVE color specifications in **Adobe Illustrator**, please refer to the PantoneLIVE plugin user manual available by X-Rite on the X-Rite website.

To access the PantoneLIVE database from GMG OpenColor, you first need to enter your X-Rite user credentials. After that, you set up a project and import PantoneLIVE data for proofing in GMG ColorProof.

How to configure GMG OpenColor to access the PantoneLIVE color database

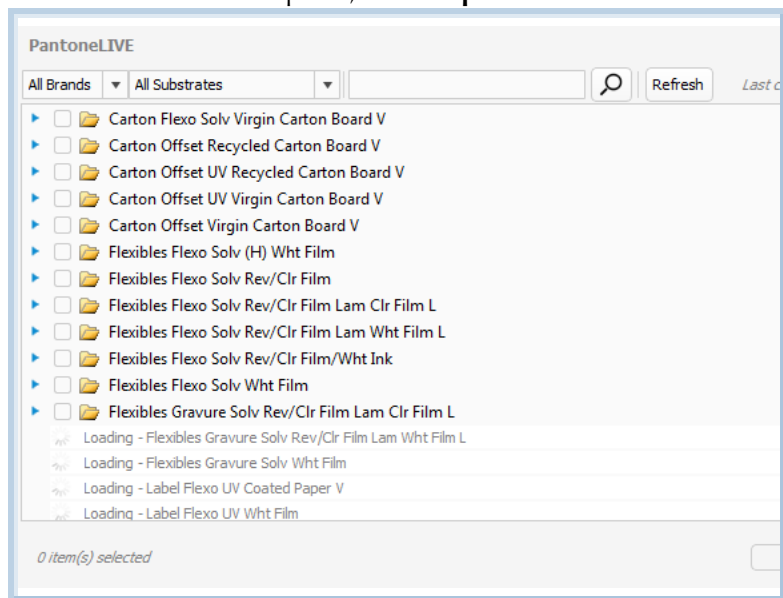
1. Start GMG OpenColor.
2. On the **Tools** menu, select **PantoneLIVE**.
The configuration dialog is displayed.



3. Activate the option **Connect** to allow a connection to the PantoneLIVE database.
4. Enter the **URL** of the host server.
(Enter a **protocol relative** URL. This is a URL without a protocol prefix such as http or https.)
5. Copy and paste the **Code** from your X-Rite user account.
(Log into your X-Rite account and use the **X-Rite Navigation** menu to get to the **PantoneLIVE License Management** section which contains the code.)
6. Enter the **User Name** and **Password** of your X-Rite user account.
7. Click **Save**.
The user credentials are saved and automatically applied each time a connection to the PantoneLIVE color database is established.

How to import PantoneLIVE data in GMG OpenColor

1. Start GMG OpenColor.
2. Open a project or characterization.
3. On the **Tools & Actions** panel, click **Import from PantoneLive** to access the database.



4. Browse the color folders or search for individual colors.
It might take some time for all colors to load after the connection is established, depending on the speed of your network connection and the size of the database. Grayed-out folders are not available for use with GMG OpenColor.
5. Select the colors you need and click **OK** to import the data.
The color data is stored in the **Inks /Characterizations** section.

Tip To get a correct overprint simulation, it is recommended to move the color data to the appropriate place in the print order. For more information on the relevance of the print order, please refer to the OpenColor manual or integrated Help.

How to proof a PDF with PantoneLIVE metadata

1. Start GMG ColorProof.
2. Create an OpenColor proof standard with the project that holds the imported PantoneLIVE data.
3. Create a job for the PDF with PantoneLIVE colors.
4. Click the **Print** button.
Connecting to GMG OpenColor, the metadata is analyzed and the referenced color data **downloaded** from the PantoneLIVE database. A matching profile is calculated, and the proof is printed.

4. DIC ColorCloud

With the new workflow utilizing DIC COLORCLOUD, customers can gain unparalleled improvements in color management through the job production, from concept, design and mock up, to prepress and printing. All operators from planning to printing can reference and use the same spectral color database and can share the same color data globally

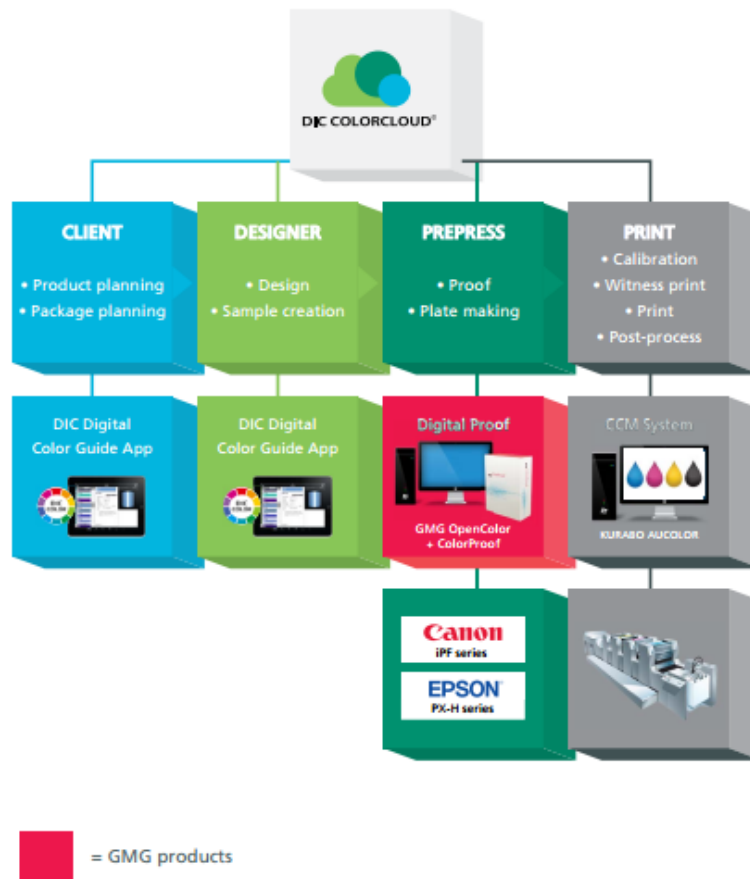


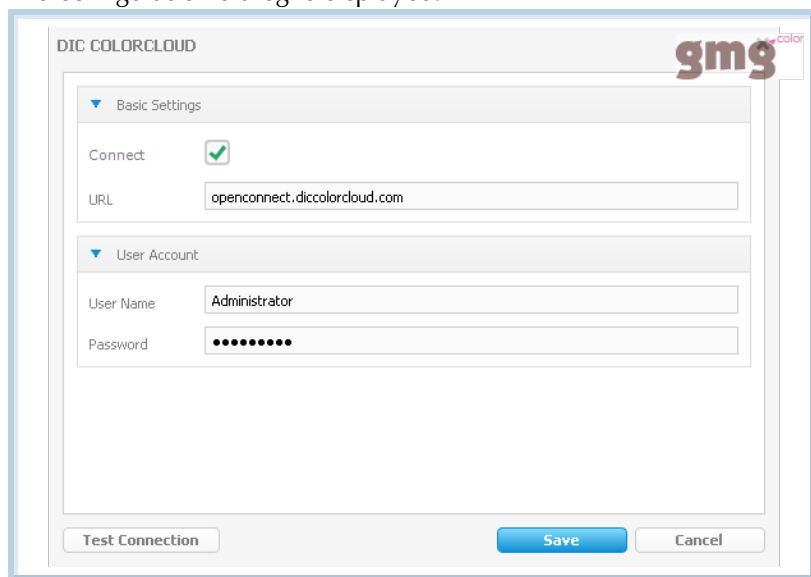
Fig. 2 Utilizing the same spectral color data for packaging design and subsequent proofing.

4.1 Proofing DIC Colors with ColorProof and OpenColor

To access the DIC COLORCLOUD database from GMG OpenColor, you first need to enter your user credentials. After that, you can set up a project with DIC COLORCLOUD data for proofing in GMG ColorProof.

How to configure GMG OpenColor to access the DIC COLORCLOUD database

1. Start GMG OpenColor.
2. On the **Tools** menu, select **DIC COLORCLOUD**.
The configuration dialog is displayed.



3. Activate the option **Connect** to allow a connection to the database.
4. Enter the **URL** of the host server.
(Enter a **protocol relative** URL. This is a URL without a protocol prefix such as http or https.)
5. Enter the **User Name** and **Password** of your DIC COLORCLOUD user account.
6. Optional: Click **Test Connection** to check if the connection details are valid.
7. Click **Save**.
The user credentials are saved and automatically applied each time a connection to the DIC COLORCLOUD is established.

How to import DIC COLORCLOUD data in GMG OpenColor

1. Start GMG OpenColor.
2. Open a project or characterization.
3. On the **Tools & Actions** panel, click **Import from DIC COLORCLOUD** to access the database.
4. Browse the color folders or search for individual colors.
(It might take some time for all colors to load after the connection is established, depending on the speed of your network connection and the size of the database. Grayed-out folders are not available for use with GMG OpenColor.)
5. Select the colors you need and click **OK** to import the data.
(The color data is stored in the **Inks /Characterizations** section.)

Tip To get a correct overprint simulation, it is recommended to move the color data to the appropriate place in the print order. For more information on the relevance of the print order, please refer to the OpenColor manual or integrated Help.

How to proof a PDF with DIC colors

1. Start GMG ColorProof.
2. Create an OpenColor proof standard with the project that holds the imported DIC data.
3. Create a job for the PDF with DIC colors.
4. Click the **Print** button.
Connecting to GMG OpenColor, the metadata is analyzed and the referenced color data **downloaded**. A matching profile is calculated, and the proof is printed.

