Artista Textile Color Collection for Fluorescence

Output Guide

Easily output specified colors with automatic color replacement

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This content is subject to change without notice due to technical improvements, etc.

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1. Artista Textile Color Collection for Fluorescence

■ What is the Artista Textile Color Collection for Fluorescence?

・A tool that simplifies the color specification process for users when using fluorescent inks as spot colors in sublimation transfer printing
It is **a 520-color sublimation transfer print color collection incorporating fluorescent colors**.

■ Features of the Artista Textile Color Collection

・Colors can be specified using swatch colors within Illustrator.
・Enables automatic color replacement during output from RIP software, eliminating manual color substitution.
・Color chart data ensures consistent color management between production and ordering parties, reducing color matching time required for color matching

《What is provided》
① Color Chart
Process color chart and fluorescent color chartEPS data
② Color swatch files for design applications
- Color swatches for Adobe® Illustrator® (ase files)
- Color swatches for CorelDraw® (cpl/xml files)
③ Color Collection Files for Mimaki RIP
- RasterLink7: Color collection data
- TxLink5: Named Color Profile

《Delivery Method》
- Color swatch files for design applications and color collection files for Mimaki RIP, Color charts can be downloaded from the official Mimaki website URL below.

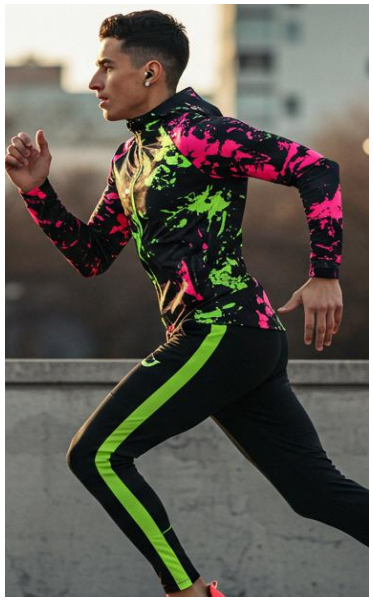
ARTISTA Textile Color Collection Downloads | ARTISTA | Topics | Mimaki

2. Effects, Advantages, and Disadvantages of Fluorescent Ink

■ Effect of Fluorescent Ink

- Using fluorescent ink as a spot color on part of the final product makes the color stand out more vividly compared to the surrounding base colors
- It adds contrast to color expressions in sports apparel and fashion, enabling vibrant expressions on uniforms and swimwear.







■ Advantages and Disadvantages of Fluorescent Ink

Advantages

- **Enables expression of color gamut not achievable with process colors (Bl/M/Y/K) alone**
- **Enables impactful, eye-catching color expression for logos and patterns on uniforms and fashion items**

Disadvantages

- Compared to process color inks (Bl/M/Y/K), fluorescent yellow has lower lightfastness.
- When mixing fluorescent colors with process colors, increasing the proportion of process colors will diminish the expressive quality of the fluorescent color.

3. Artista Textile Color Collection System Requirements

■ Supported Printers

Model	Compatible Ink Sets	Compatible Firmware
TS200-1600	Sb411	Ver1.1 or later
TS330-1600 TS330-1800	Sb411 / Sb410	Ver5.0 or later
TS55-1800	Sb610	Ver7.8 or later



■ Supported RIP / Drivers

RIP / Driver	Compatible Versions
TxLink5 Lite / Standard / Professional	Ver1.2.1 or later
RasterLink7	Ver4.0.0 or later
Mimaki Driver	Ver5.10.3 or later

※Please select RIP software when installing the printer.

■ Design Software

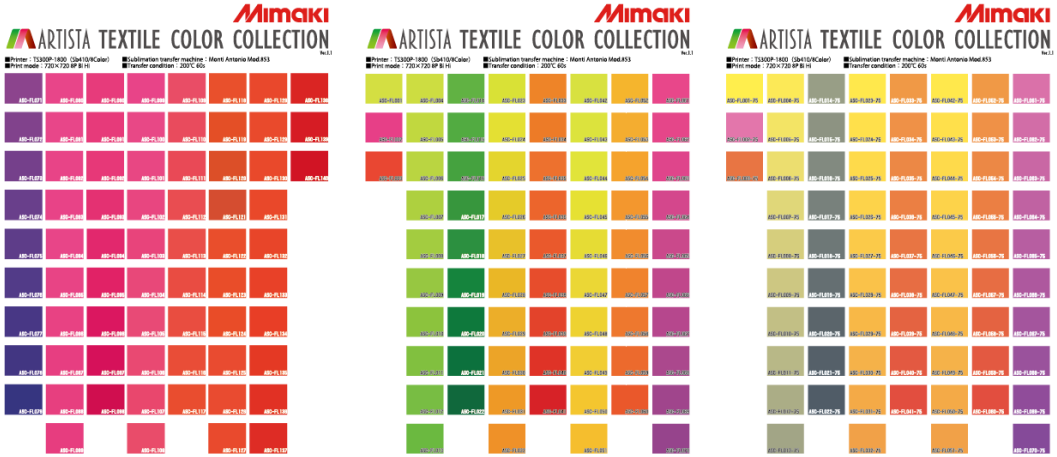
Design Software	Compatible Versions
Adobe® Illustrator®	CC or later
CorelDRAW®	11 or later ※

※CorelDRAW® swatch files use different file extensions depending on the version.
※For CorelDRAW® X4 and earlier, use "CPL"; for CorelDRAW® X5 and later, use "XML".

4. Color Chart Data and Swatch Color Files

■Color Chart Data (Provided in EPS format)

・ Provides color chart data including process colors and fluorescent colors



《Process Color Chart (1 page)》
- Color chart using Bl/M/Y/K
- Grayscale chart

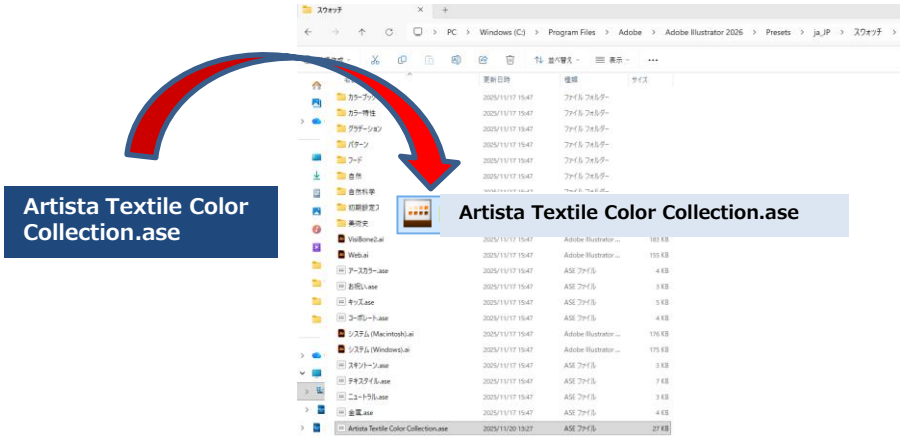
《Fluorescent Color Chart (6 pages)》
- Color chart using Fluorescent Yellow and Fluorescent Pink

Print it as a color sample, and can be utilized when modifying data colors.

*Color charts comprise 7 pages total: process color chart and fluorescent color chart

■ Swatch Color File “Artista Textile Color Collection.ase”

・ Install the color specification file into Illustrator's swatch colors



【Installation Method】 *Administrator privileges are required

①Open the folder containing Illustrator on your computer, then open the Swatches folder.
Local Disk (C:) ⇒ Program Files ⇒ Adobe ⇒ Adobe Illustrator 2026 ⇒ Presets ⇒ ja_JP ⇒ Swatches

②Copy the file “Artista Textile Color Collection.ase ” into the Swatches folder.

③ “Artista Textile Color Collection” will be added to Illustrator's swatch library.

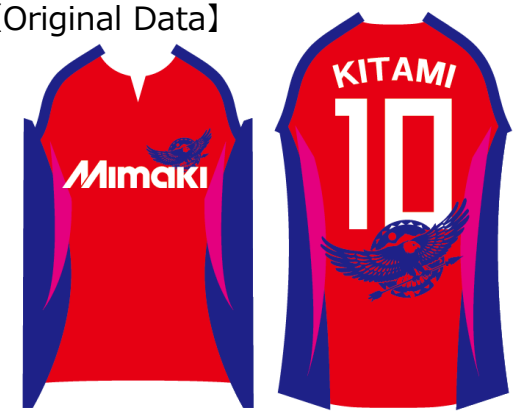
Since the color chart numbers and swatch color numbers are linked with the same number, enabling automatic color replacement settings in RIP software.

5. Automatic Color Replacement Preparation (Data Creation)

■ Creating Fluorescent Color Data

※For gradient color replacement, please refer to P11

【Original Data】



《Color Scheme》
Body: Red (MY 100%)
Underarm/Mark: Navy (CM100%), Magenta (M100%)

【Fluorescent Color Conversion Data】



《Color Scheme》
Body: Fluorescent Yellow (ASC-FL001)
Underarm: Fluorescent Pink (ASC-FL002),
Fluorescent Green (ASC-FL0011)
Mark: Fluorescent Violet (ASC-FL072)

【Color Replacement Procedure】

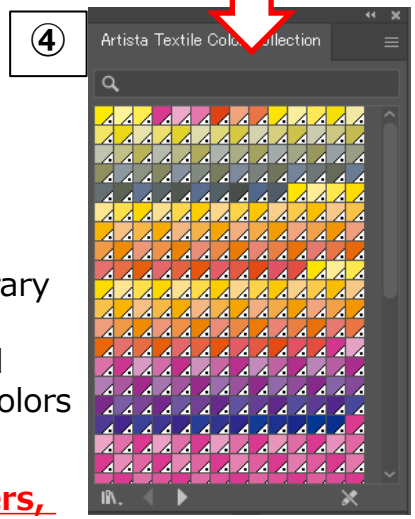
① Select “Swatches” from the “Window” menu

② Open ‘Swatches’ and select the “Swatch Library Menu”

③ Select “Artista Textile Color Collection” within the “Swatch Library Menu”



④ The swatch library for the “Artista Textile Color Collection” will be displayed



⑤ Select each color in the original data, then choose the desired replacement color from the “Artista Textile Color Collection” library

⑥ You can easily create data where the original colors have been replaced with fluorescent colors

The color chart uses the same color numbers, so it can be used as a color reference.

5-1. When using RasterLink7

■ **Automatic Fluorescent Color Replacement ⇒ Output Condition Settings ⇒ Output**

【Operation Procedure】

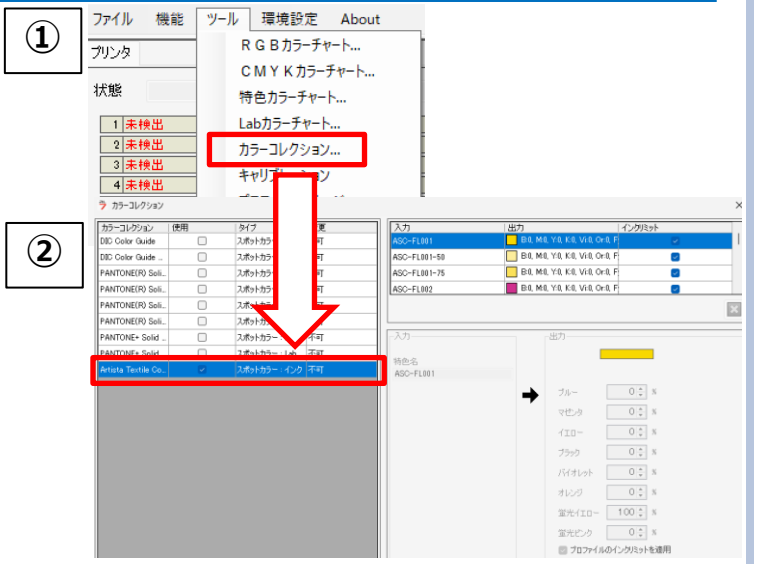
① Launch RasterLink7 and select “Color Collection” from the ‘Tools’ menu in the menu bar

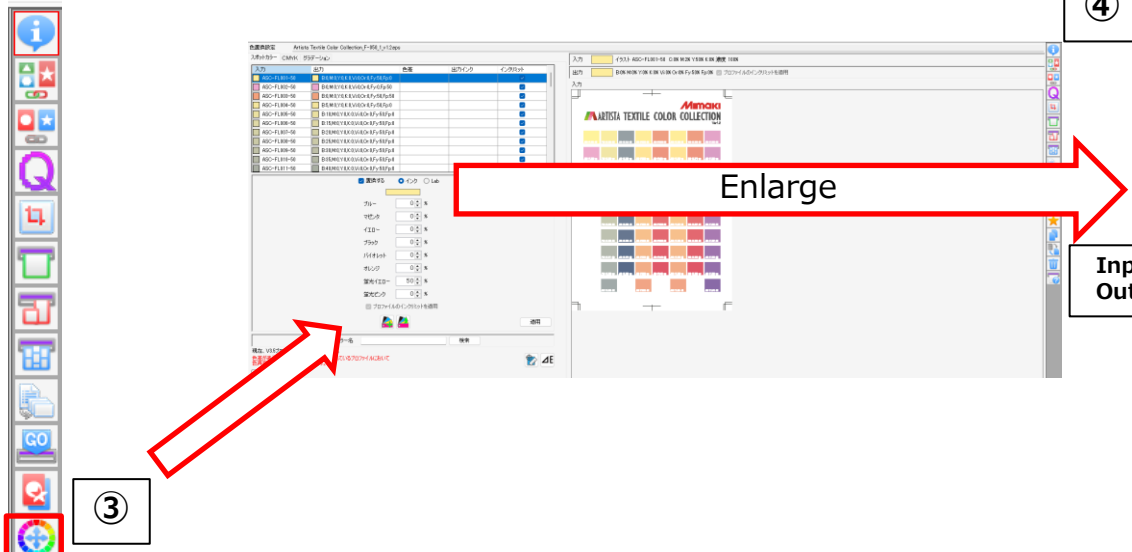
② Select “Artista Textile Color Collection” within Color Collection and check the box (☑)

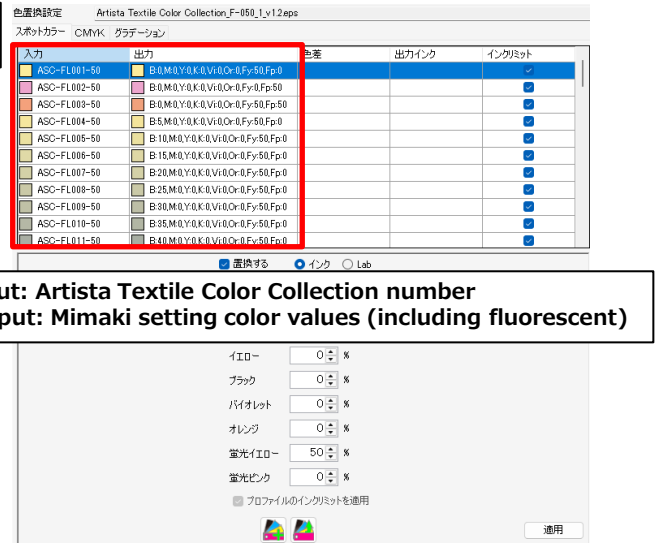
③ Select “Color Replacement Settings” from the toolbar

④ Colors specified in Illustrator's “Artista Textile Color Collection” swatch will be automatically replaced

⑤ Click “Execute” on the toolbar to output to the printer







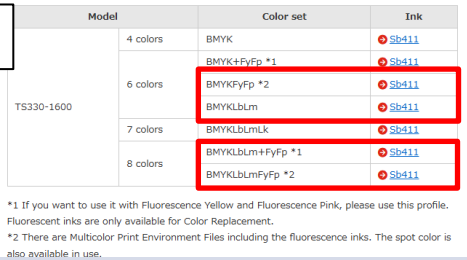
Input: Artista Textile Color Collection number
Output: Mimaki setting color values (including fluorescent)

Color chart data is also assigned the same input numbers as the color collection by “Artista Textile Color Collection,” enabling easy color replacement operations.

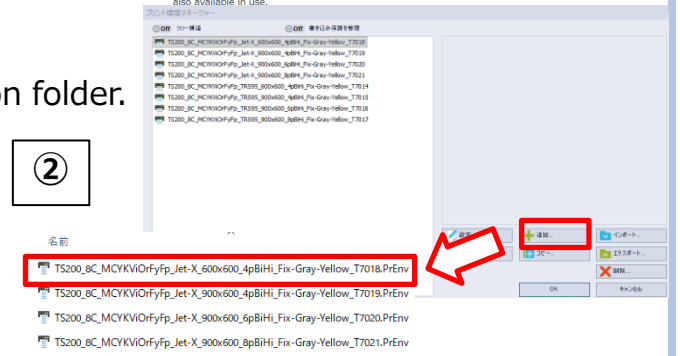
5-2-1. When using TxLink5

■ Configure to automatically replace fluorescent colors
【Operation Procedure】 *No action required if the checkbox is already checked

① Download the print environment file containing “FyFp” in the color set name from the Mimaki website, matching the number of colors for your compatible printer.
*Color reproduction differs depending on whether the color set has a “+” (see P12)



② Launch TxLink5 and import the print environment from the destination folder.

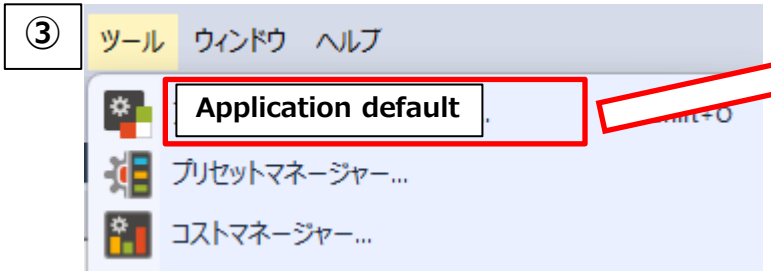


③ From the menu, select “Tools” → “Application Default”

④ Select “Preferences” → ‘Image’ → “Color Management” → “EPS/PDF (Legacy)” → “Advanced”

⑤ If the following 3 items are not checked, place a checkmark (☑) next to them.

《Check Items》
- ☐ Use “Named Color Profile” for spot color replacement
- ☐ Use “Named Color Profile” for DeviceN color space interpretation
- ☐ Use CMYK color management for DeviceN color space





5-2-2. When using TxLink5

■ Installing the Swatch Library on TxLink5

【Operation Procedure】

***No action required if already embedded**

① Select “Settings”→“Advanced” in the print environment

② Check (☑) the ‘External’ box in the Named Color Profile field.

③ Select “Artista Textile Color Collection.icm” from the dropdown list

④ Close the print settings window by clicking “OK”

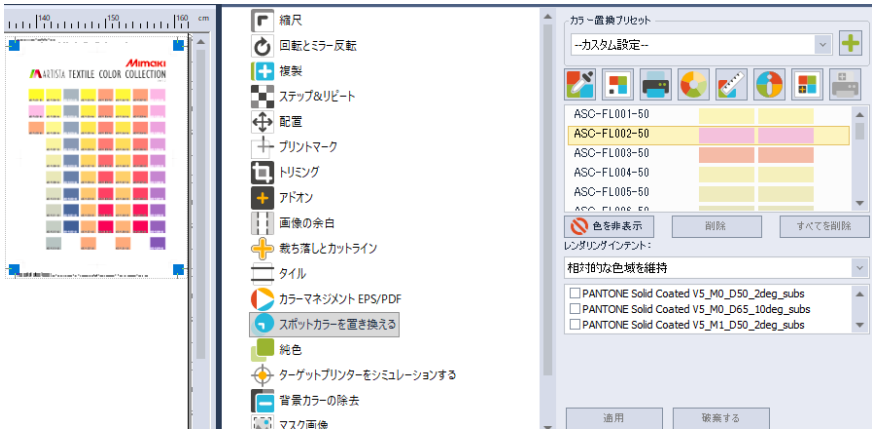


■ Automatic fluorescent color replacement ⇒ Output

【Operation Procedure】

① Open the data to be printed

② Data created using Illustrator’s “Artista Textile Color Collection” will automatically undergo color replacement when opened in TxLink5



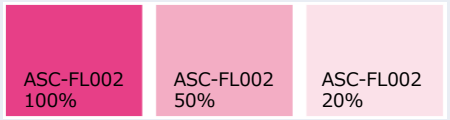
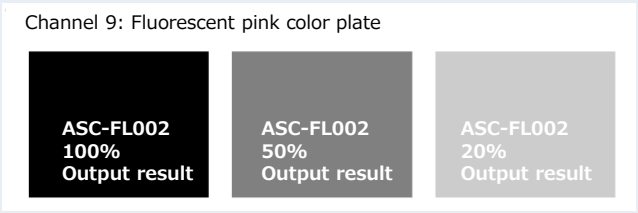
③ Select the print job and perform the output

《 Precautions for creating data when outputting with automatic color replacement 》

- **When performing automatic color replacement, use the “Artista Textile Color Collection” swatch color library in Illustrator for color specification in both RasterLink7 and TxLink5. If the color numbers in the data differ from those in the RIP software, automatic color replacement will not occur.**

6．About the Color Replacement Function in RIP Software

■ Color Replacement Function in RIP Software

項目	RasterLink7 / TxLink5	
Automatic color replacement for swatch colors "Artista Textile Color Collection"	○	Automatic color replacement for colors with "Artista Textile Color Collection" color numbers set
Reflects changes in the density of swatch colors from the "Artista Textile Color Collection" in color replacement	○	Even if the density of the "Artista Textile Color Collection" is adjusted in Illustrator, density differences are reflected as long as the color number remains the same  Confirm the ink colors being output using the preflight function to check output results (density differences are reflected) 
Gradient color replacement using swatch colors from the "Artista Textile Color Collection" **※ Save EPS files with Compatible Gradient OFF**	○	Gradient data using the "Artista Textile Color Collection" can also be automatically color replaced  Confirm the ink colors being output using the preflight function to check output results (fluorescent color gradients are reflected) 

Appendix 1: Multi-Color Output (TxLink5 only)

■ What is Multicolor Output?

- Using an ICC color profile that includes fluorescent colors (FY / FP) in addition to process colors (Bl / M / Y / K) enables brighter and more vivid color expression.
- It is possible to make the entire graphic expression brighter and more vivid.



Outputs printed or transferred using 6C



6C + fluorescent color printed and transferred results

【 Important Notes for Multi-Color Output 】

- **The vividness may become excessive, resulting in a diluted appearance.**
- **Depending on the color, fluorescent pigments may be present, leading to color reproduction that differs from the actual color.**

Compared to 6-color expression, colors appear vivid

■ TxLink5 Settings Method

① From the Mimaki website, select a file that does not contain "+" in the color set name, download it, and install it on TxLink5.

TxLink5

Model		Color set	Ink
TS200-1600	4 colors	BMYK	Sb411
	8 colors	BMYKViOr+FyFp *1	Sb411
		BMYKViOrFyFp *2	Sb411

*1 If you want to use it with spot color inks, please use this profile. Spot color inks are only available for Color Replacement.

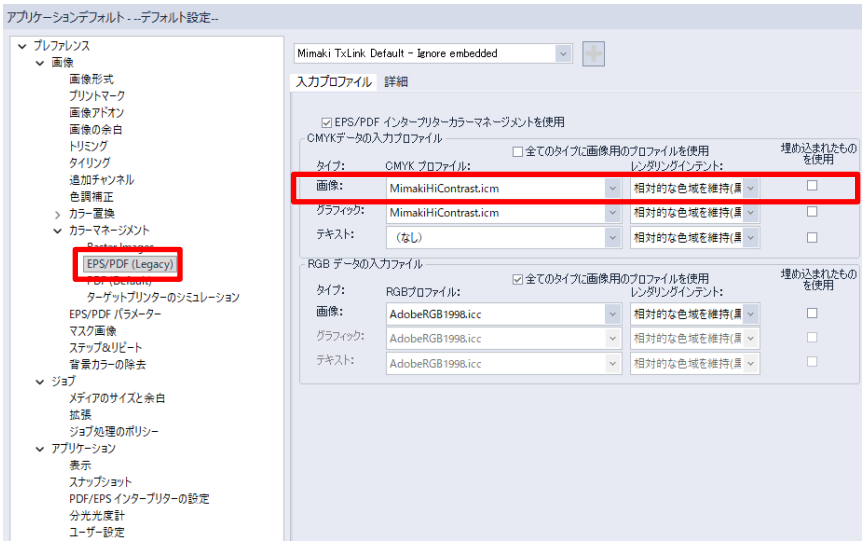
*2 There are Multicolor Print Environment Files including the fluorescence inks. The spot color is also available in use.

*The presence or absence of "+" affects color reproduction as follows.

Without "+" BlMYKFyFp, etc.	Outputs in multi-color. Fluorescent colors are used even in areas without color replacement.
With "+" BlMYK+FyFp, etc.	Outputs in process colors. Fluorescent colors are not used unless color replacement is applied.

Automatic replacement of fluorescent colors is possible in either environment file.

② From the menu, select "Tools" → "Application Defaults". Choose "Preferences" → 'Image' → "Color Management" → "EPS/PDF (Legacy)". Select "MimakiHiContrast.icm" as the input profile for CMYK data.



Appendix 2: Precautions for TS330-1600/1800 Spot Color Sets (TxLink5 Only)

When using the TS330-1600/1800 **ink set (4C+Vi/Or/FY/FP)**,
Named Colors registered from "Artista Textile Color Collection.icm" cannot print fluorescent inks (FP/FY).
To use them, register "Artista Textile Color Collection_FY7FP8.icm" using the following procedure and use it as a Named Color.

■ TxLink5 Setup Method

①Copy the file "Artista Textile Color Collection_FY7FP8.icm" located in the TxLink5 Ver1.2.1 installer folder.
TxLink5.1.2.1¥NamedColors¥Artista Textile Color Collection_FY7FP8.icm

②Place "Artista Textile Color Collection_FY7FP8.icm" in the NamedColors folder below.
ローカルディスク　C:¥Uesrs¥Public¥Documents¥EsRip¥17¥Data¥Color¥NamedColors

③Select "Artista Textile Color Collection_FY7FP8.icm" from the Named Color Profile dropdown menu under TxLink5's "Print Settings" → "Advanced".



Appendix 3: Fastness of Fluorescent Ink

■ Fluorescent Ink Fastness

・Compared to the four basic colors (Bl/M/Y/K), only FY has lower lightfastness. For the other colors, the fastness is equivalent to or higher than that of the four basic colors.

【 Test Conditions 】
Testing Facility: Nissenken Quality Evaluation Center
Transfer Paper: TRS95
Fabric: Tropical (100% polyester)
Transfer Machine: Monti
Transfer Temperature/Transfer Paper Time: 200°C / 60 sec

Item	Test Method			Sb411								Sb410	
				Violet	Orange	FP	FY	Black	Blue	Magenta	Yellow	FP	FY
Lightproof	ISO-105 B02		3~6 Grade Exposure	5-6	6	5-6	3-	6+	3-4	3-4	6+	5	3-
Laundry	ISO-105 C06(B1S)		Fading	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acetate	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Cotton	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Nylon	4	4-5	4-5	4	4	4-5	4	4	4-5	4
			Contamination: Polyester	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acrylic	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Wool	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Dry Cleaning	ISO-105 D01		Fading	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acetate	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Cotton	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Nylon	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Polyester	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acrylic	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Wool	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Sweat	ISO 105 E04	Acid	Discoloration	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acetate	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Cotton	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Nylon	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Polyester	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acrylic	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Wool	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
		Alkaline	Discoloration	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acetate	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Cotton	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Nylon	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Polyester	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acrylic	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Wool	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Water	ISO 105 E01		Fading	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acetate	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Cotton	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Nylon	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	4-5
			Contamination: Polyester	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Acrylic	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination: Wool	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Friction	ISO-105 X12		Dry	4-5	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Moist	4-5	4-5	3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5
Hot Press	JIS L 0850 A-2 Drying		Color Change	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination	4-5	4	4-5	4-5	3-4	4-5	4-5	4	4-5	4-5
	JIS L 0850 A-2 Moisture-Resistant		Fading	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
			Contamination	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

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