

Notes at Using IJ Primer PR-100

This document explains notes when applying primer and the setting method.
 By using primer, you can take better printing result.
 Please read and fully understand this document before using primer.

Items required for applying primer	Printer	UJF-3042FX, JFX series
	Ink	LH-100 ink, LF-140 ink
	Ink set	C, M, Y, K, W (or CI), P *1
	RIP software	RasterLinkPro5IP/SG Ver2.41 and later

*1:C=C=Cyan, M=Magenta, Y=Yellow, K=Black, W=White, CI=Clear, P=Primer

IJ Primer PR-100 possibilities



- The following results have been achieved by Mimaki and are not guaranteed.
 Depending on the material type, ink adhesion becomes not enough.
 Please test your intended materials beforehand.

Media \ Primer With/Without	LF-140		LH-100	
	Without	With	Without	With
Simple-adhesion-processed PET	Good	—	Good	—
PC	Good	—	Good	—
Soft PVC	Good	—	Good	—
Tarpaulin	Good	—	Good	—
Acrylic	Bad	Good	Bad	Good
Untreated PET	Bad	Good	Bad	Good
Glass	Bad	Good	Bad	Good

Media \ Primer With/Without	LF-140		LH-100	
	Without	With	Without	With
SUS	Bad	Good	Bad	Bad
Aluminum	Bad	Good	Bad	Good
Brass	Bad	OK	Bad	OK
Copper	Bad	Good	Bad	Good
Epoxy	Bad	Good	Bad	OK
Nylon	Bad	Good	Bad	OK
PP / PE	Bad	Bad	Bad	Bad

Printing method on Raster Link Pro 5



Take the method when printing primer → white → color in this order as an example.

1. Prepare an image for Primer separately from the Image for color.

- Create the image for primer along the shape of the image for color.
- Create the image for primer with a single color and even density.



Image for color

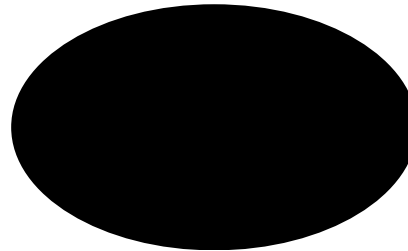


Image for primer

2. Make RasterLinkPro5 read the image for color and the image for primer in.

3. Open the Job Editor of the image for primer.

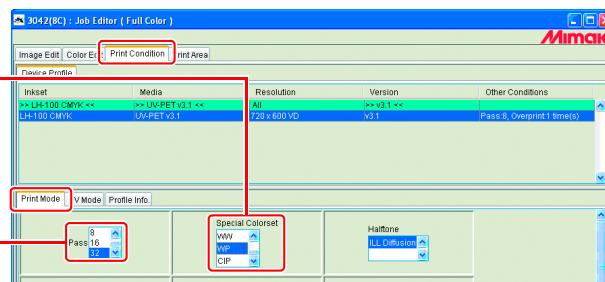
- Perform setting of the image for primer.

4. Open [Print Condition]-[Print Mode] tab.

- Set the printing conditions of the image for primer.

(1) Select a colorset of primer (whose name has "P" in it) depending on the printer status.

(2) For UJF-3042FX, set to 24pass and more, and for JFX series, set to 8pass and more.

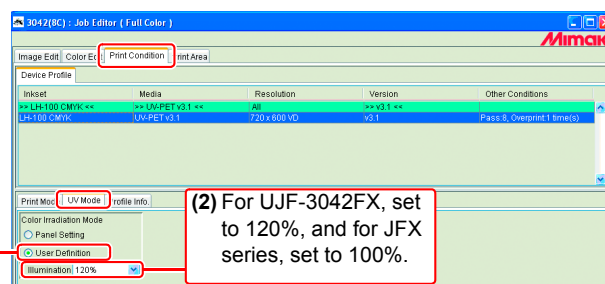


5. Open [Print Condition]-[UV Mode] tab.

- Set UV Illumination of primer.

(1) Select User Definition.

(2) For UJF-3042FX, set to 120%, and for JFX series, set to 100%.



6. Open [Color Edit]-[Color Replacement]-[Spot Color] tab.

- In Color replacement, instruct printing of primer and set the density on the image for primer.

(1) Add Color replacement name.

(2) Check the box.

(3) Click a place with the color.

(4) Uncheck the box.

(5) For UJF-3042, set to 30%, and for JFXseries, set to 40%. (For JFX, if there are multiple slot primers, total shall be 40%.)

(6) Click.



- When the primer density is less than the recommended one, ink adhesion may not be enough.
- When the primer density is more than the recommended one, ink may crack.

7. Open [Color Edit]-[Special Color Adjustment]-[Special Color Correction] tab.

- Make the image for primer slightly smaller than the image for color so that the primer may not run over the image for color. In addition, when the primer printing position is misaligned a little, correct the position.

(1) Check the box.

(2) Check the box.

(3) Select.

(4) Input any numerical value.

(5) Check the box.

(6) Input any numerical value.

8. Close the Job Editor with [OK].

- Setting of the image for primer has been completed.

9. Open the Job Editor of the image for Color.

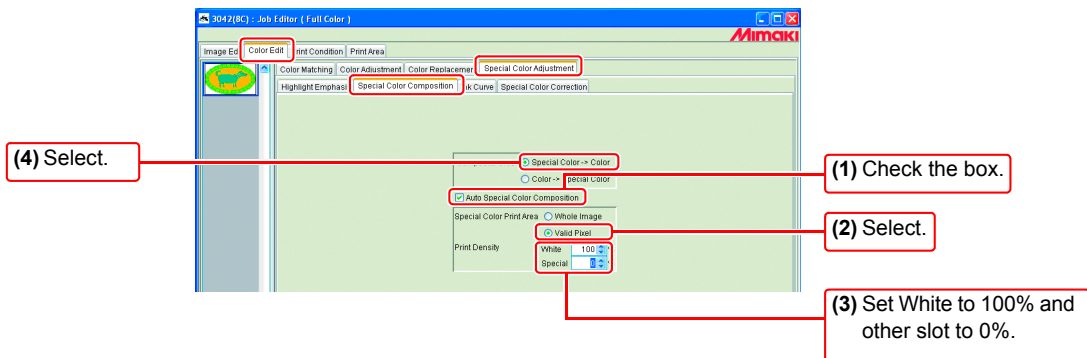
- Perform setting of the image for color and the image for white.

10. Open [Print Condition] tab.

- Set the printing conditions of the image for color.

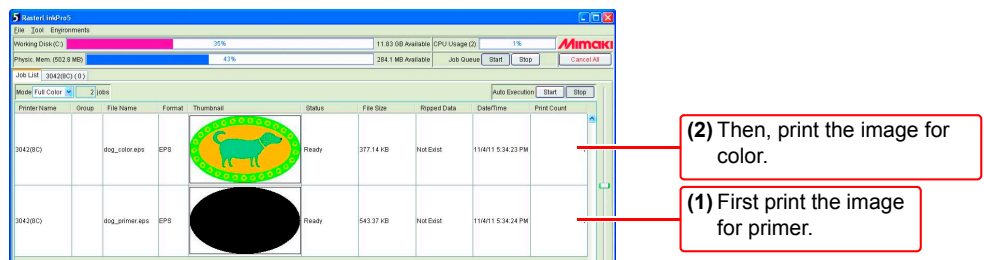
11. Set [Color Edit]-[Special Color Adjustment]-[Special Color Composition] tab.

- Perform setting to create the image for white from the image for color automatically.



12. Close the Job Editor with [OK].

13. After specifying printing of the image for primer, specify printing of the image for color.



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