How to control White and Varnish ink channels for Mutoh Valuejet printers with specialty inks via your design?

RGB Colorspace. ICC input profile : sRGB_V4_Perceptual. No Wh

Swatch Options
Swatch Name: Spot_White
Color Type: Spot Color
Global
Color Mode: RGB
R 255
G 255
B 255
Add to my Library — Create New Library...
Preview — OK — Cancel

Create a shape with Spot Color fill. Select the exact same name for the fill shape like in the spotcolor replacement list from your Rip Software. In case you want to mix a spotchannel with normal CMYK/RGB you must check the Overprint checkbox.
IMPORTANT : The overprinted shape must always be on top of your normal color space. (see the image to the right as an example). The final order of ink channels (example : white at the bottom, color in the middle and varnish on top) will be determined by the driver of your Rip Software.

Color / Swatches / Layers — Align / Attributes
☑ Overprint Fill
☐ Overprint Stroke
Image Map: None
URL:

[Registration]
White
Spot_White
Spot_Varnish
Black
CMYK Red
CMYK Yellow

Shapes with Spot Color fill (used for White and Varnish)
Must always be on top of the normal colors in your design.
If you forget the "Overprint Fill" attribute, the colors which are below the SpotColor fill will NOT be printed.

RGB Colors

The overprint and opacity features can be combined with a spotcolor swatch in order to create gradients.

Spot_White in gradient. Opacity from 100

Spot_Varnish in gradient. Opacity from 1

Spot_Varnish and Spot_White in gradient

Solid Red and Black over Spot_White in

Spot_Varnish gradient over Solid Red and Black. Varnish opacity from 100% to 0%

Gradient
Type: Linear
Stroke
0°
Opacity: 0%

Default Job Properties
Preset:
☑ Enable driver options
User Media: Use Printer's Default
Print Direction: Bidirectional
Passes: Normal
Weaving Effect: i-Weave UV 1
Vacuum Fan: High
Print Count: Use Printer's
Interval Time: 0 (0.1s)
Scan Width: Print area
Variable Dot Type: Large
Fixed Dot Type: CMYK-Middle,1
Side Margin: 5 mm
Head Selection: Off (Double Head)
Nozzle Selection: Off (Double Nozzle Row
Start Feed: 0.00
Media Feeding Adjustment: 0.00
☑ Override Carriage Speed: High Speed (40
Printing Area Indication: Use Printer's

White and Varnish options
White 1: Spot color — Varnish 1: Spot color
Number of channels: — Number of channels:
Print Count: Use Printer's D — Print Count: Use Printer's D
Method: Underlay (Color-on-White)
OK

SpectroVue — White and Varnish options — UV Control
Restore Defaults
OK — Cancel — Apply

Order of Inkchannels will be determined by the Rip. This cannot be included in the design.

RGB Colorspace. Spot_White + Overprint (Opacity 50%). Spot_Varnish + Overprint (Opacity 50%).

Effect / View / Window / Help
Basic — Opacity: 35% — Style:
@ 66.67% (RGB/Preview)

By default, when you fill a color, the Opacity is set to 100%. This is the same for SpotColors. Opacity can be applied to a SpotColor (in combination with the Overprint attribute) to control the amount of your spotchannel (to put down less White or Varnish)
In the example which is behind this text, the Spot_White has an opacity of 90%, while the Spot_Varnish has an opacity of 35%.
Both of them have the overprint attribute, and are both above the normal color space.

Note : You can preview the colors which are behind a shape with the overprint attribute in Illustrator by going to the view menu, and choose "Overprint Preview", or by using the shortcut Alt+Shift+Ctrl+Y
Keep in mind that this preview is never a guarantee for what is printed, but only an aid to help you make your design. The Illustrator software has no way of knowing how the white and/or varnish will be used when the design is printed.

RGB Colorspace. Spot_White + Overprint (Opacity 90%). Spot_Varnish + Overprint (Opacity 35%).

Job Properties
Preset:
Media size
Device margins
Job size
Position
Copies
Layout preview

Don't panic if the spotcolors are invisible.
in this example we used White to represent the Spot_White and Spot_Varnish.
You can also choose another fill in case such is desired.

PDF Page Size... — Reset — Set Default — Send — OK — Cancel

100% W+V 80% W+V 60% W+V 40% W+V 20% W+V 25% W+V 50% W+V 75% W+V
5% W
5% W