

WHITE UNDER-BASE CHOKE USING PRINT PRO



Using the Under-base Choke Feature with Print Pro WIGA Edition

The Under-base Choke Feature within Print Pro WIGA edition can be used to great effect when understood properly.

The under-base choke allows a user to “shrink” the size of the white ink layer in relation to the CMYK colour layer that will be printed over the top of the white layer.

Effectively there are two reasons why this feature should be activated.

- 1- White ink spread
- 2- Ink cross section view

White ink spread:

Many Compress UV series printers are sold with an ink channel configuration of CMYK + 4 channels of white. In this case, the actual volume of white ink that is printed at a standard resolution of 720 x 720dpi is greater than the volume of CMYK that is printed over the top.

This may cause the white ink to “spread” or “grow” a small amount and can physically appear to be sticking out from the colour layer around the design’s outer edges.

Ink Cross Section view:

Due to the fact that the vast majority of substrates printed on UV machines are considered to be rigid, the ink will sit proud of the surface of the substrate. This can easily be identified by simply running your finger across a printed image. You should be able to feel the presence of the ink layer. As such, the white and colour layers are “built” on top of each other and often the white layer can be seen as a cross section view rather than it spreading out from underneath the colour layer. (figure 1)

Often this is a misunderstood phenomenon and possibly unable to be proven unless looking at the edges of the printed image through a high-powered magnifying glass.



Figure 1

HOW TO 'STEP BY STEP' GUIDE



The following steps explain how to choke the white layer.

- 1- Launch the application program
- 2- Open the image that is to be printed
- 3- Click the "Image" drop down menu
- 4- Scroll down to "add white under-base choke"

NOTES: if the "add white under-base choke" feature is not active, please set the environment first to a colour or black media. (Figure 2) If the environment happens to be set to white media the Rip assumes that no white ink will be required and thus the option is inactive.

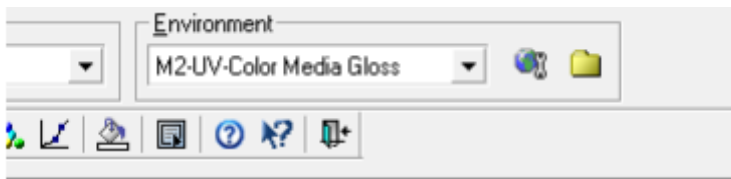
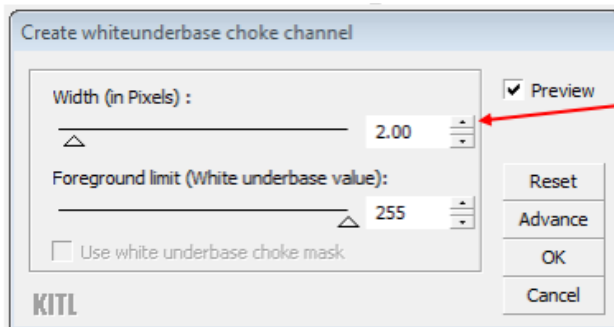


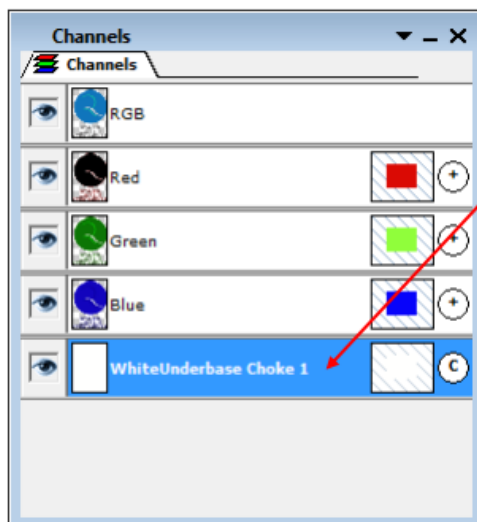
Figure 2

It is now recommended that as a default setting you apply a 2-pixel choke. (figure 3) Applying too high a value may cause small lettering and objects such as ® and © symbols to be choked too strongly.



Apply the choke setting value here

Figure 3



Confirmation of choke being applied

To visually confirm that the choke has indeed been applied you can do so by going to the "view" drop down menu and choosing "channel palette – show" (Figure 4)

Figure 4