GRACoL beta 4c-BW Uncoated Profile

The GRACoL beta 4c-BW Uncoated profile for CMYK printing is used at Friesens when printing Grayscale like images in CMYK on uncoated paper. This profile can be used to simulate printing on uncoated paper when used together with Proof Colors in Photoshop.

This profile can be used to convert images from RGB to CMYK. This profile is intended to be used with Grayscale like images that will be printed CMYK on uncoated paper. When colour images are printed on uncoated paper the outcome of printing ink on paper results in the images appearing to have less contrast than on screen. Converting images to the GRACoL beta 4c-BW Uncoated profile on its own does not simulate ink on paper. The Proof Colors option in Photoshop is used to simulate printing on uncoated paper.

Macintosh ICC profile install:
- go to the Finder
- From the menu choose Go
- Press the Option key and select Library from the list
- Open the folder ColorSync
- Copy the profile into the Profiles folder.

Windows ICC profile install:
- Copy the profile to the Desktop
- Right-click on the profile and choose ‘Install Profile’ from the context menu.

Converting images:
Photoshop:
To use the GRACoL beta 4c-BW Uncoated profile in Photoshop select Edit, Convert to Profile.
In this dialog select the following:
- Destination Space: GRACoL beta 4c-BW Uncoated

Conversion Options
- Engine: Adobe (ACE)
- Intent: Relative Colorimetric
- Use Black Point Compensation (checked)
- Use Dither (checked)

When saving images always embed the ICC profile.

Using Proof Colors:
To use the Proof Colors option in Photoshop select View, Proof Setup, Custom...
In this dialog select the following:
- Device to Simulate: GRACoL beta 4c-BW Uncoated
- Rendering Intent: Relative Colorimetric
- Black Point Compensation (checked)
- Simulate Paper Color (checked)
- Simulate Black Ink (checked)

The Proof Colors is necessary for an accurate preview. Images can be converted to the GRACoL beta 4c-BW Uncoated profile without this preview turned on. If images lack contrast with Proof Colors turned on; image adjustments should be made in Photoshop to compensate. It is best to make make colour adjustments in RGB. Proof Colors can be used even when images are still RGB.

As with all ICC profiles, this profile is most effective on a system that is colour calibrated and profiled.