

### LAYERS, SPOT COLOURS & OVERPRINTING IN ARTWORK

## Knife Lines & Embellishments

### LAYERS

Layers help organise your layout. By positioning related objects together on the same layer, you can turn items off and on for viewing, you can also lock layers while working on your layout.

At BPG, we suggest that all working files be supplied with orderly layers, where elements such as knife lines and embellishments can be isolated from the main artwork when required. This applies to both Adobe InDesign and Adobe Illustrator layout files.

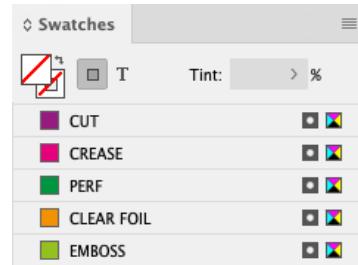


### SPOT COLOURS

Non-printing elements such as knife lines and embellishments (eg: foiling, spot varnishes, embossing, etc.) must be set up properly so they can be separated from the main artwork prior to printing.

**For each non-printing element, we must create a SPOT COLOUR swatch.**

In addition, knife lines should be broken down to specific properties such as 'cut', 'crease', 'perforations', etc. and assigned designated spot colours.

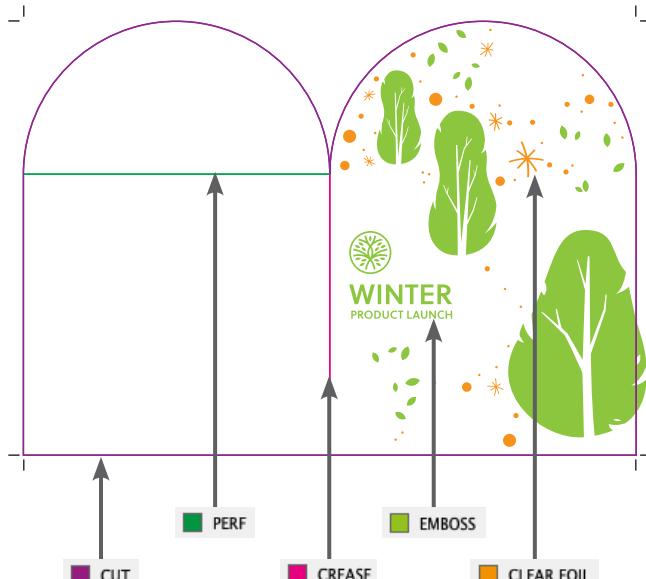


### EXAMPLE

Assigning SPOT COLOURS to non-printing elements:



The above is the CMYK artwork



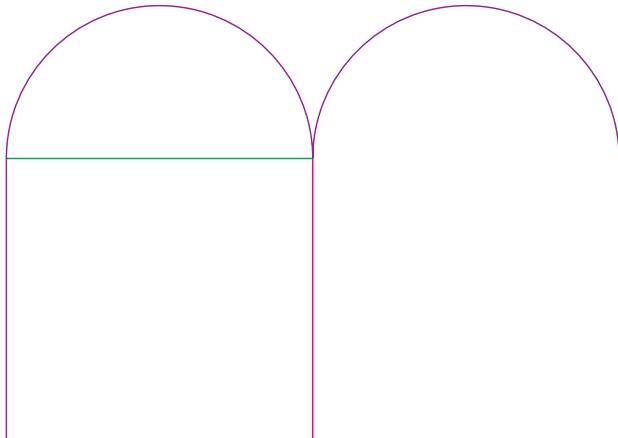
## OVERPRINTING

By default, when you place graphic elements on top of each other in your layout program, the overlapping colour area on top will 'knock out' (remove) the colour area underneath.

To ensure knife lines and embellishments do not 'knockout' the artwork underneath it, we must use 'overprinting'. Setting non-printing page elements to overprint in your artwork ensures the colour areas below are not removed.

### EXAMPLE KNIFE LINES

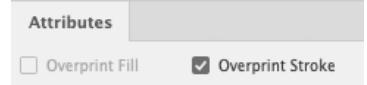
Setting the strokes of the knife line to overprint:



ADOBESTRUCTOR:



ADOBESTRUCTOR:



#### OVERPRINTING NOT APPLIED TO THE KNIFE LINE

Artwork underneath the knife line has been 'knocked out' and white lines appear on the final artwork.



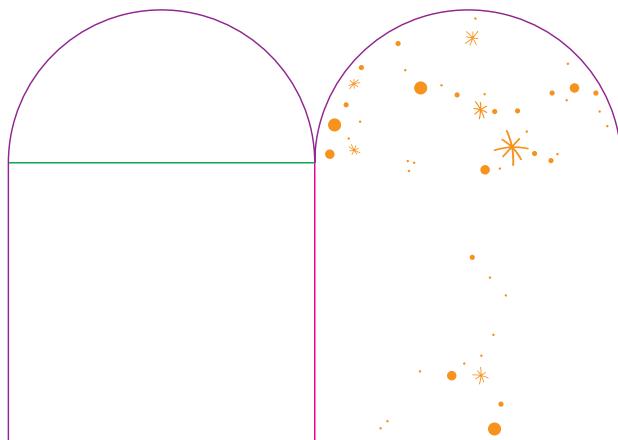
#### OVERPRINTING APPLIED TO THE KNIFE LINE

Artwork underneath the knife line is not affected when exported for printing.

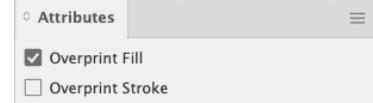


## EXAMPLE FOILING

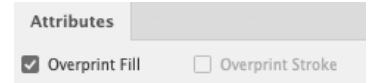
Setting the fill of the foiling areas to overprint:



ADDOBE ILLUSTRATOR:



ADDOBE INDESIGN:



### OVERPRINTING NOT APPLIED TO THE FOILING

Artwork underneath the foiling has been 'knocked out' so white areas appear on the final artwork.



### OVERPRINTING APPLIED TO THE FOILING

Artwork underneath the foiling is not affected. The clear foil will be applied over the light blue background.



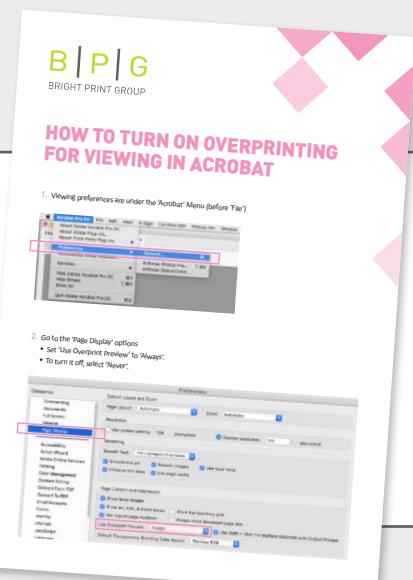
**TIP!**

### VIEWING 'OVERPRINTING' IN ACROBAT

The view settings can be changed in both Acrobat and Acrobat Reader to allow for overprinting to be simulated.

See our BPG Guide: *"How To Turn On Overprinting In Acrobat"* for instructions.

<https://irp.cdn-website.com/5cc1be28/files/uploaded/BPG-How-To-Turn-On-Overprinting-In-Acrobat-v1.pdf>



## EXAMPLE EMBOSsing

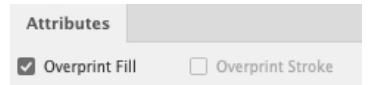
Setting the fill of embossing areas to overprint:



ADOBE ILLUSTRATOR:



ADOBE INDESIGN:



### OVERPRINTING NOT APPLIED TO THE EMBOSsing

Artwork underneath the embossing has been 'knocked out'. The red leaves and the blue specks in the trees appear as white areas on the final artwork.



### OVERPRINTING APPLIED TO THE EMBOSsing

Artwork underneath the embossing is not affected. The red leaves and the blue specks in the trees appear as they should in the final artwork.

