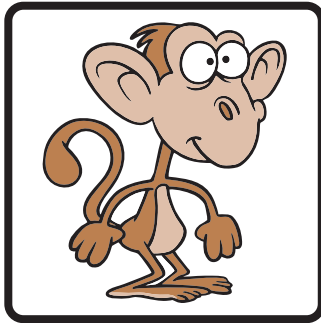# Guidelines for printing selfadhesive PVC tape in flexo

Vectordata ✅
AI, CDR, EPS etc.

We can print a maximum of 3 colors.
We use the Pantone C and HKS K color system.
Also we have a small range of RAL colors.

To avoid windows vs mac, and other conflicts, please convert your graphic to a PDF/X-1a with all fonts converted to curves.

Pixeldata ❌
PSD, JPEG, TIFF, PNG etc.

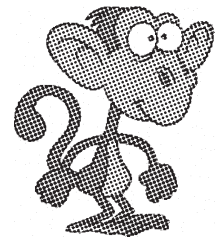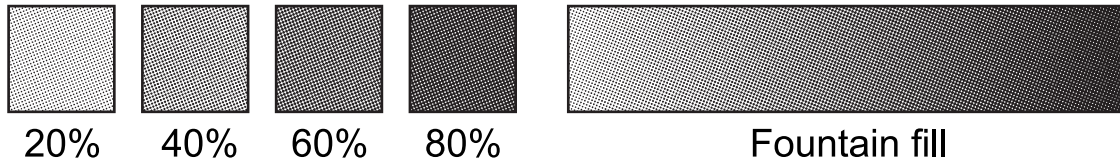Pixelfiles are not suitable for flexographic printing.

Flexo is not Offset!!

Exporting or saving Pixelfiles as EPS or other Vector extensions is useless.
The file won't change into a vectorized image and stays pixelbased, so not suitable!

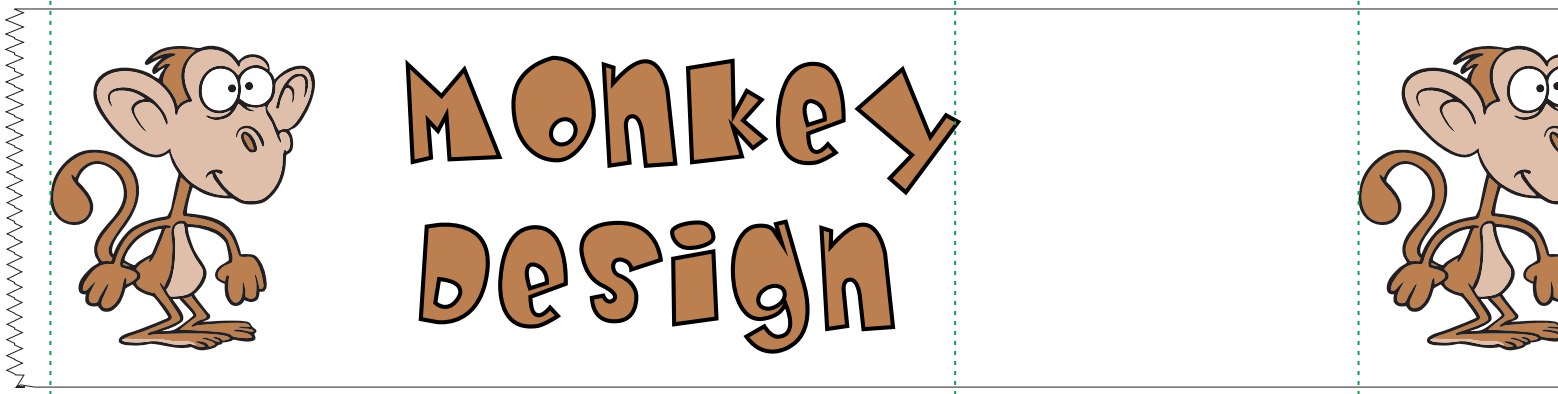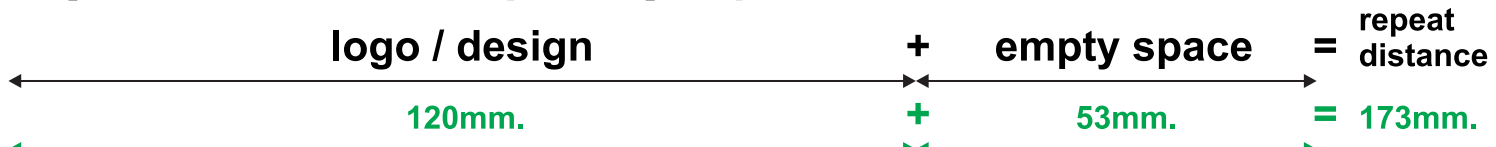Keep your design simple, avoid rasterized object and don't use outlines below 0,5pt.

Raster

When really needed we can print rasterized objects, but it won't look like an average offset raster.
We use a 60lpi raster, the minimum is 20% and the maximum is 80% of the original color.
In some cases we can print a (monochrome) bitmap.

20%   40%   60%   80%   Fountain fill

monochrome bitmap
in a 60lpi raster

Repeat distance (sample)

logo / design   +   empty space   =   repeat distance

120mm.   +   53mm.   =   173mm.

MONKEY DESIGN
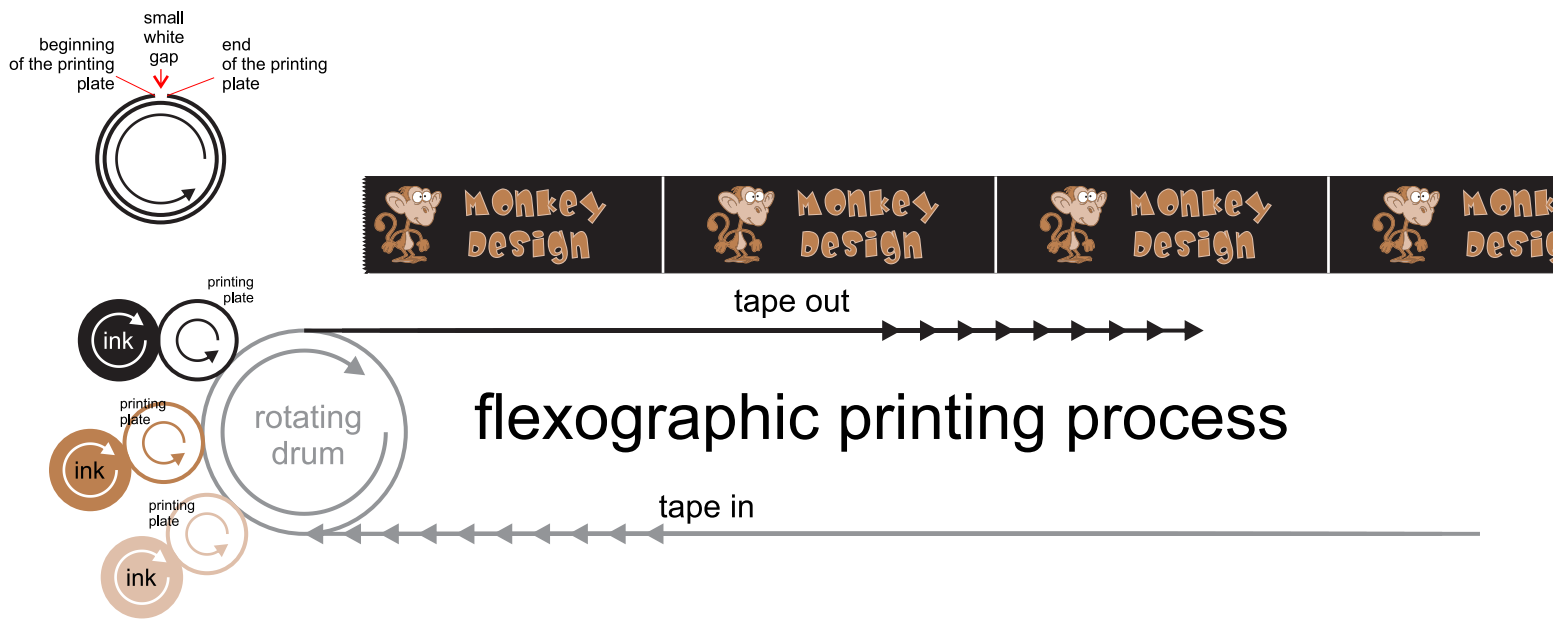
25% of the original design

Repeat distances in mm.

Available distances; 173, 192, 230, 261, 286, 356, 394, 463 en 494mm.

To avoid problems with printing the design in register, don't use a repeat distance over 286mm.

Printing allover in a dark color

When printing a negative design, a small white gap will appear, one of the flexoprinting limitations.
The reason is that our inks are transparent, so it's not possible to print a light color on a dark background.

flexographic printing process

For a negative print without the small white gap, we can order a laser-engraved sleeve.
Only one repeat distance is available; 402mm. Please contact our sales deparment for actual prices.
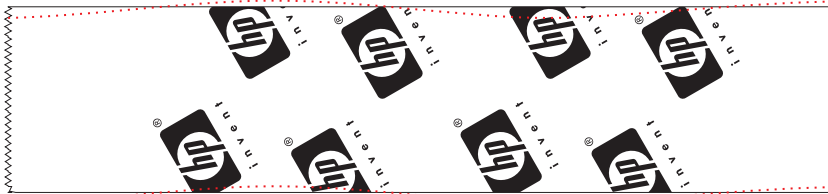
Printing allover in a light color

When using the right color combinations, no gap will appear. Make sure the background color is lighter
than the color on top of it. But... the ink is still transparent, so for example; blue on a yellow base
will turn into green! Please contact our sales or design department for specific designs before sending
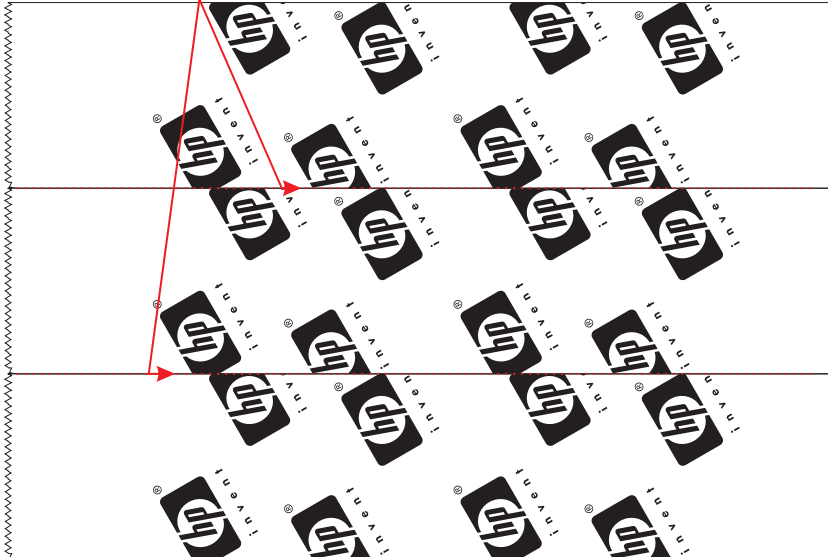a proof to your customers to avoid problems afterwards!

Special Designs

Sample: our basic material is 150mm wide, so we cut 3 rolls 50mm out of it. While cutting it, the tape will "swing" a little up and down. So we can't cut it 100% accurate.
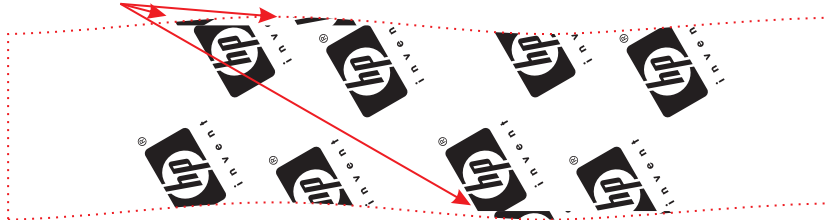
Cutting line (extreme sample)

So this isn't possible

This is how the final product will look like.

This is the re-designed layout, as you can see we can put 3 of those under eachother, it repeats (from top to bottom) without a real edge to cut.

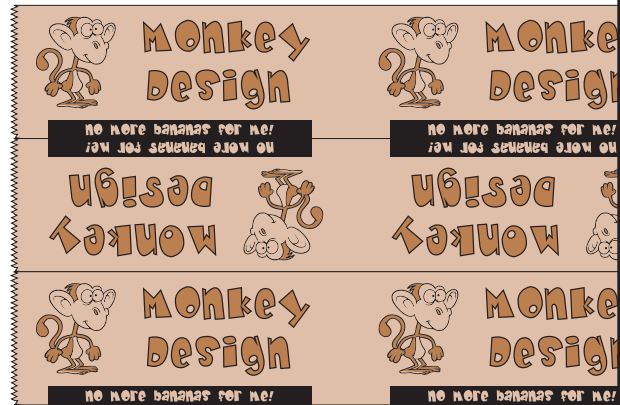It will always look right, even when we cut it 2mm higher or lower...

As shown on the left, our basic material is 150mm wide, so for example we cut 3 rolls of 50mm, 6 rolls of 25mm wide etc. etc.
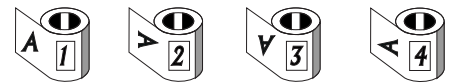
If your design should be printed only on top- or bottom with a negative part like this:

This is the way to do it in case of 50mm wide tape; Just place 3 designs underneath eachother and flip the middle one 180 degrees

This means that on a third of the total numer of rolls the design will be printed upside down.

Example;
108 rolls are ordered
72 rolls will be printed like fig. 1
36 roll will be printed like fig. 3