

THE GUIDE

How do I prepare files for Printing?

It's best to prepare your file using Spectrolite, <https://spectrolite.app/>, a free app designed by artists for prepping color separations for the RISO. If you're working in a digital space to prepare files, we recommend using the RGB color codes of the RISO colors we have in the studio. If you're working in an analogue style, you can scan your image and use spectrolite to create color separations. We have a copy of spectrolite on all computers in the RISOlaboratory. You can utilize these computers to prepare your files—please ask the RISO tech for assistance.

Paper

RISO inks print well on most uncoated papers, as it can be absorbed onto the surface and allowed to dry.

We stock Smooth, 8.5" x 11" 60lb text 96 Bright White Paper from French Paper for student and faculty use.

You will need to supply your own paper if you want to print 11" x 17" or on a color paper. We recommend that you only use French Paper on the RISO.

<https://www.frenchpaper.com/collections/paper-text>

WEIGHTS

Bond	Cover
20lb-60lb	60lb-80lb

Preparing Files

For print, artwork should be:

1. Grayscale/ b&w

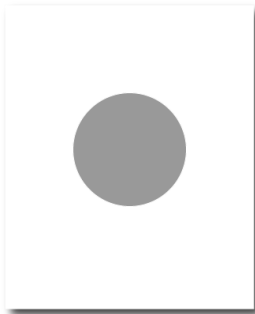
2. Resolution = 300 dpi
3. Each color layer printed as a separate file.

We need a grayscale file for every color you'd like to print. If your files are digital, please follow naming conventions and email your files to the lab tech.

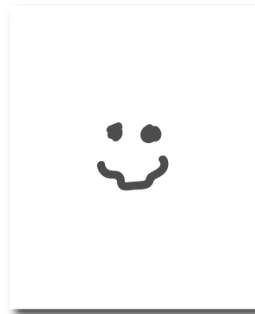
Naming Conventions: yourname_color_order of print. See example below.

Naming and Preparing Files

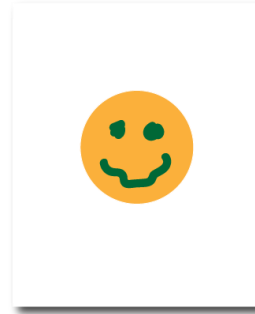
Name_Yellow_A.pdf



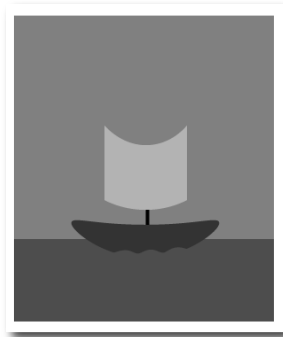
Name_Green_B.pdf



Two-Color RISO Print!



All files sent through the RISOgraph printer should be grayscale. Colors are added through the RISOgraph printer. Your Grayscale image will be translated into a color print with corresponding opacities.



- 40% black
- 20% black
- 100% black
- 80% black
- 50% black

Grayscale Print



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Blue RISOprint

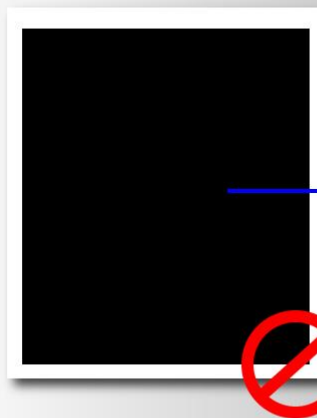


Ink Coverage

Too much ink coverage can jam the machine. We will not print artwork that jams the machine. The RISO can't print 100% ink density across 100% of the paper. Large areas of 100% ink density can cause jams (surface area over 40% of the paper at 100% in density will jam).

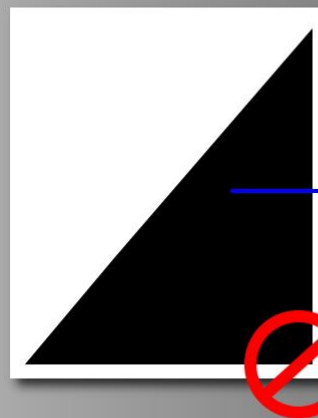
To prevent jamming, it's best to design with your darkest color at 85% opacity. If you're covering the entire surface of the paper or a shape that covers over 40% of the surface, the opacity of the ink should be 70%.

JAM-A-RIFFIC DESIGNS!



**100% coverage at
100% opacity**

100% black



**50% coverage at
100% opacity**

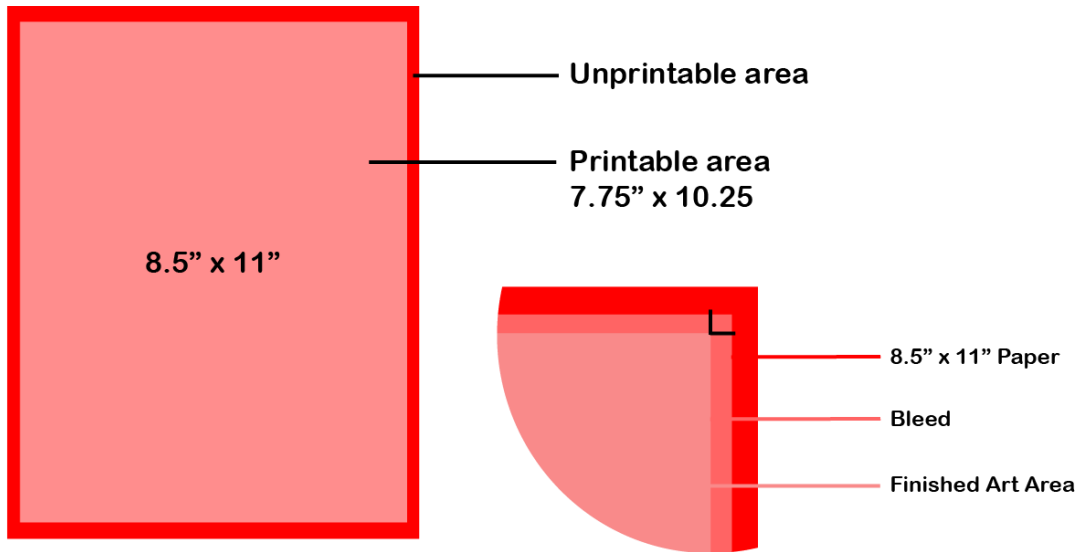
100% black

Full Bleed

The RISOgraph does not print all the way to the edge of the paper (full bleed).

You must leave at least .375 of an inch around the edge of the paper clear of a design.

To print full bleed, create crop marks inside the printable area. Print your design beyond the crop marks. You can then trim the paper to reach a full bleed effect.



Colors

Sunflower

SUNFLOWER							
				100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE	
	FFB511	116 U	255, 181, 17	0, 29, 93, 0	S-3323	S-4654	

Blue

BLUE							
				100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE	
ブルー	0078BF	3005 U	0, 120, 191	99, 22, 0, 1	S-4388	S-4257	

Red

RED							
				100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE	
レッド	#FF665E	WARM RED U	255, 102, 94	0, 60, 63, 0	S-4387	S-4275	

Brown

BROWN							100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE				
ブラウン	925F52	7526 U	146, 95, 82	18, 62, 84, 23	S-4390	S-4277				

Moss

MOSS							100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE				
	68724D	371 U	104, 114, 77	38, 11, 89, 42	S-3303	S-4634				

Tomato

TOMATO							100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE				
	D2515E	186 U	210, 81, 94	1, 91, 72, 3	S-3317	S-4648				

Orange

ORANGE							100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE				
オレンジ	FF6C2F	ORANGE 021 U	255, 108, 47	0, 58, 82, 0	S-4405	S-4283				

Green

GREEN							100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE				
グリーン	00A95C	354 U	0, 169, 92	73, 0, 81, 0	S-4389	S-4259				

Violet

VIOLET							100%	75%	50%	25%
JAPANESE NAME:	HEX	PANTONE	RGB	CMYK	PART #	Z-TYPE				
ヴァイオレット	#9D7AD2	265 U	157, 122, 210	40, 51, 0, 0	S-3310	S-4641				

Notes

1. "Risotto's Print Bible Risograph Guide," by Risotto Studio, accessed 10/4/23,

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