REVLAR® Print Settings & Pro Tips

REVLAR can be printed on laser printers, offset printers and flexo printers. This document is primarily intended for production printers because we use technical terms and offer suggestions for more advanced printing techniques. However, we have made it available to all customers because some tips will help any skill level to print on synthetic paper. Please reach out to us if you have questions.

All printer brands and models have slightly different settings, so it would be impossible to cover exact settings in this document. But we can give you the tools you'll need - with general settings and tips - to get printing. Grab your printer's user guide and let's get started!

Step 1:

Before you buy, always make sure that your printer is equipped to run the product's gsm and melting point.

All printers have maximum thresholds for these factors. We recommend that you check your printer's manual to find those maximums. Compare those numbers to the table on the right to narrow down your options to the REVLAR paper type that will work best for you.

Weights and melting point

REVLAR Synthetic Product	Thickness	Weight	Melting Point
Premium White	3.7 mil	125 gsm	450°+ F
Premium White	4.7 mil	155 gsm	450°+ F
Premium White	5.7 mil	198 gsm	450°+ F
Premium White	7.7 mil	258 gsm	450°+ F
Premium White	10.7 mil	368 gsm	450°+ F
Premium White	13.7 mil	510 gsm	450°+ F
Premium Colors	5 mil	172 gsm	450°+ F
Premium Die-Cuts	7.7 mil	258 gsm	450°+ F
Removable Labels	4 mil	294 gsm	400°+ F
Permanent Labels	2 mil	198 gsm	400°+ F
Marine & Lab Grade Permanent Labels	2 mil	245 gsm	400°+ F
Select White	4.7 mil	150 gsm	450°+ F
Select White	7.7 mil	250 gsm	450°+ F
Soft White	8 mil	200 gsm	302°+ F
Soft White	10 mil	250 gsm	302°+ F
Soft White	12 mil	300 gsm	302°+ F

What these terms mean:

- Grams per square meter (gsm) measures the density or how heavy a paper is.
- Melting point is the temperature at which the paper will begin experiencing chemical reactions and breaking down.

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Most desktop laser printers will run our 8.5" x 11" 3.7 mil - 7.7 mil REVLAR Premium without a setting adjustment, skip step two if so. Larger sizes or higher mils will likely need to be printed on a larger printer with print setting adjustments.

Step 2:

When you go to print your file, change the media/paper type to match the gsm (weight) of the REVLAR product you have.

In general, if your printer has a synthetic paper setting, that's the one to use. Because every printer is different, we recommend that you do some test printing with different media type settings to see which gives you the best results.

Different media settings change the temperature and speed of the printer. Overall, when determining your printer settings, we recommend that you choose settings that maintain:

- Lower fuser temperature
- Slower run
- Straight path through the printer

Pro tips for best results:

- Allow the paper to acclimate to the printer's room for 24 hours prior to printing.
- Fan sheets on all edges before loading into the feed drawer in order to reduce static.
- Any unused paper should be stored at room temperature in its original packaging.

Finishing:

- Holes: To make holes, you should punch or die-cut. Drilling should be avoided because heat generated by drilling can cause the material around the edges of the holes to weld together.
- Cutting: REVLAR can be cut on a standard guillotine paper cutter. We recommend that chipboard be placed on top of the paper prior to cutting to prevent the clamps from leaving any markings.
- Perforating: A micro-perf is best for ease of tearing.
- Folding: We recommend scoring a rigid synthetic paper (REVLAR Premium or REVLAR Select) before folding to ensure it keeps its fold memory, while softer synthetics (REVLAR Soft) can be folded by hand or machine.
- Binding: REVLAR can be stapled or punched for Wire-O, GBC or spiral binding. We recommend that you do a test run to determine the best binding option.

Troubleshooting:

- If you're having static or image quality issues, we recommend that you maintain printer room humidity between 45-55%. Fanning sheets also makes a huge difference with static, so make sure to fan the papers regularly throughout the run.
- If you're seeing streaks or residue from a large run on synthetic paper, try running some plain paper in the same tray to clean out the fuser and print path.

Disposal:

REVLAR can be recycled as a plastic, not as a paper. We recommend you check in with your local recycling services for your options.

- REVLAR Premium & REVLAR Select are classified as a #1 plastic.
- REVLAR Soft is a #7 plastic.