



J.M. FRY INKS



A FAMILY COMPANY

CORRUGATED ABSORPTION AFFECTS PRINTED COLOR QUALITY

ABSORPTION CHANGES. PRINT COLOR CHANGES.

Corrugated absorption directly impacts ink holdout, color strength, drying, and overall print consistency. Variations in board surface and absorbency can create visible color shifts throughout a production run.



LOW ABSORPTION



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Stronger, cleaner colors with excellent holdout and sharp detail.

BALANCED ABSORPTION



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Balanced color strength and consistency. This is the target.

HIGH ABSORPTION



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Weaker, duller colors with poor holdout and inconsistent appearance.

BALANCED ABSORPTION = MORE CONSISTENT COLOR

1 WHY ABSORPTION MATTERS

- Affects ink holdout and color strength
- Too much absorption can make color look weak and dull
- Uneven absorption causes shade variation
- Impacts print sharpness and consistency
- Can increase waste, rework, and customer concerns



2 WHAT CAUSES ABSORPTION CHANGES

- Differences in board grade and liner
- Moisture and humidity shifts
- Surface porosity and recycled content
- Coating or sizing variation
- Mixed board lots during the run
- Lack of incoming substrate checks



3 HOW TO CONTROL IT

- Check board lots before production starts
- Verify board surface and absorbency consistency
- Standardize ink, pH, viscosity, and press settings
- Pull samples often throughout the run
- Monitor color from start to finish
- Communicate substrate changes immediately



ABSORPTION CONTROL WORKFLOW

1 CHECK BOARD



Inspect board lot and surface.

2 VERIFY ABSORPTION



Compare to standard.

3 MATCH INK



Adjust ink and settings if needed.

4 MONITOR RUN



Check color frequently.

5 SAMPLE OFTEN



Compare to target.



IMPORTANT:

When corrugated absorption changes, printed color can drift quickly. Small substrate differences can create major visual inconsistencies.



BOARD CHECKED



ABSORPTION VERIFIED



RUN MONITORED



SAMPLES PULLED

**BETTER ABSORPTION CONTROL.
BETTER COLOR.
BETTER RESULTS.**

CHECK. VERIFY. MONITOR. EVERY TIME.