

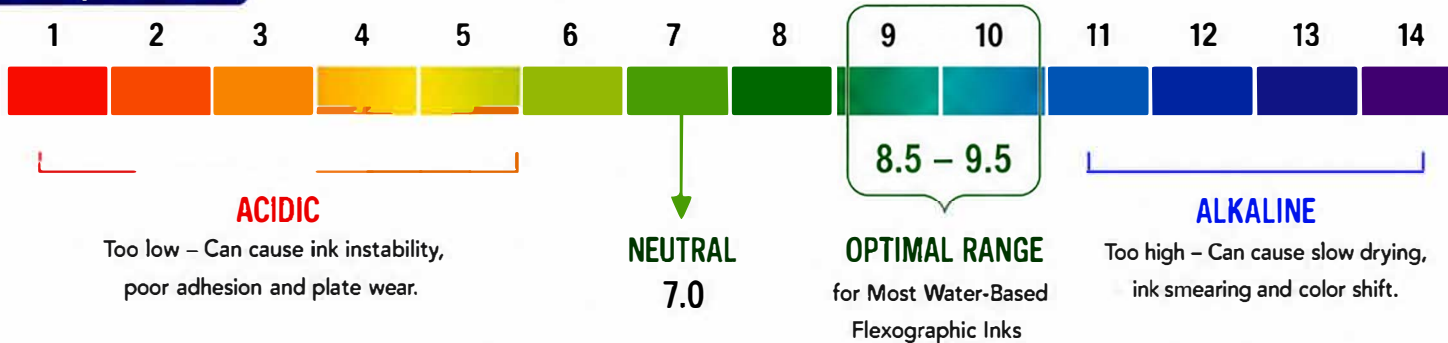
MEASURING AND ADJUSTING pH

GET THE pH RIGHT. GET THE PERFORMANCE RIGHT.

pH is a critical factor in ink performance, stability, and print quality.
The ideal pH range for most water-based flexographic inks is **8.5 – 9.5**.



THE pH SCALE



pH AND INK PERFORMANCE

pH TOO LOW (ACIDIC)

- ✗ Poor ink stability
- ✗ Build-up on plates
- ✗ Poor adhesion
- ✗ Fast drying
- ✗ Increased dot gain
- ✗ Color shift and fading



OPTIMAL pH RANGE (8.5 – 9.5)

- ✓ Best ink stability
- ✓ Strong adhesion
- ✓ Consistent drying
- ✓ Better color consistency
- ✓ Reduced plate wear
- ✓ Optimal print performance

pH ADJUSTMENT PROCEDURES

pH TOO LOW – RAISE pH

- 1 Use anilox cleaner / pH adjuster.
- 2 Add small amounts (1–2 mL per lb of ink).
- 3 Mix thoroughly.
- 4 Test pH.
- 5 Repeat until pH is 8.5–9.5.

IMPORTANT

Always add adjustment products slowly. Over-adjusting can cause ink instability and print defects.

TIPS FOR ACCURATE READINGS

- ✓ Calibrate your pH meter daily.
- ✓ Rinse the probe with clean water before each test.
- ✓ Test at room temperature.
- ✓ Stir ink gently before testing.



GOOD PRINTING STARTS WITH CONTROL.



PRESSURE
in control



INK
in control



TEMPERATURE
in control



TIME
in control



**BETTER PRINTING.
LESS WASTE.
HAPPIER CUSTOMERS.**