Aurora 4C Process

Gans Ink and Supply Co. introduces its newest 4-C process series for high volume production presses. This remarkable series combines the fastest set speeds with incredible gloss results. Couple that with good scuff-resistance AND priced to meet competition, this ink creates tremendous value to increase productivity and profitability!

TECHNICAL PERFORMANCE DATA

- **AURORA Item Numbers**
  - Black- A180000
  - Cyan- A180001
  - Mag- A180002
  - Yelo- A180003

- **ISO Compliance for Color**
  This series conforms to ISO 2846-1 (Color and Transparency) and ISO 12647-2 (Commercial Printing) tolerances for Hue and Chroma. This series is suitable for GRACol G7 certification.

- **Ink Tack Readings**
  - Black- 16
  - Cyan- 15.5
  - Mag- 15.0
  - Yelo- 14.5
  The above tack readings are taken at 1200 RPM, 1 minute, 90° F, Thwing Albert 101 Inkometer.

- **Set Speed**
  Gans’ AURORA process series rated 394 out of 400 on Gans’ internal scale for set speed on a #1 gloss coated sheet, making this series the FASTEST setting process inkset Gans Ink has formulated to date!

- **Scuff-Resistance**
  Overall, this process inkset rated a 29 out of 40 on Gans’ internal scale for scuff-resistance. This test is performed on a #1 gloss coated sheet, without aqueous coating, 24 hours after printing. AURORA will resist scuffing well on gloss coated paper. Post-processing on matte or dull stocks should be considered, due to the fragile nature of those paper surfaces.

- **Suggested Target Ink Densities**
  - Black- 1.70 - 2.00
  - Cyan- 1.35 - 1.50
  - Magenta- 1.35 - 1.55
  - Yellow- 0.90 - 1.10
  *Target densities may vary based on the color measurement device used (Polarized/Non-Polarized).

- **Solid Ink Densities After 24 hrs**
  - Black-1.70
  - Cyan-1.35
  - Mag-1.45
  - Yelo-1.00
  The above measurement device settings are: Illuminant D65, 2° observer angle, Status T, without polarization or UV filters. Paper white has been zeroed out. Print testing on a #1 gloss sheet, without aqueous coating, has shown extremely low density dryback of only (in density points):
  - Black- 7
  - Cyan- 1
  - Magenta- 1
  - Yellow- 1

- **Dot Gain / 200 Line**
  At the above ink densities on a #1 gloss sheet, with no AQ. Gans’ AURORA printed extremely sharp, even at 15,000 IPH!
  - Black- 15%
  - Cyan- 16%
  - Mag- 16%
  - Yelo- 14%

- **Stay Open (Skin-time)**
  Gans’ AURORA process series will not begin to develop a skin in the can or the fountain for at least 5 days. Extreme ambient temperatures will affect this stay open period.

- **Ink Glossiness**
  At a 60° angle AURORA showed a gloss reading of 77.4 units over 340% ink coverage on a #1 gloss coated sheet, without aqueous coating. Compare this to other quick-set inks that only measure in the 60’s to low 70’s! Additionally, because of AURORA’s ultra fast set speed, aqueous coated images will achieve higher gloss levels as well!

- **Post Processing**
  This process series is considered finishing friendly and can be UV coated or foil embossed after 48 hours. These inks are considered laser imprintable on uncoated paper, although pre-testing is always required for guaranteed performance.

CONTACT GANS TODAY TO LEARN MORE ABOUT AURORA PROCESS INKS

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