



**GANS INK  
& SUPPLY CO.**



**LONGEVITY  
THROUGH  
INTEGRITY**

# Resolution 4C Process

Gans Ink & Supply is the *only* ink manufacturer to finally solve the age old problem of combining *ultra-high gloss* with *ultra-fast set speed!* We named this process series **Resolution** because on multiple print tests it achieved the highest quality print resolution, at the fastest production speeds, with the glossiest appearance and fastest set speeds we've ever seen from *any ink!*

## TECHNICAL PERFORMANCE DATA

### Resolution Item Numbers

Black- A133064      Cyan- A133065  
Mag- A133066      Yelo- A133067

### Ink Hue/Chroma

Gans **Resolution** process series has been formulated to meet ISO 12647-2 (Commercial Printing) tolerances for Hue and Chroma. However, due to the extremely high overprint trap values, **Resolution** will allow you to achieve a *wider color gamut* than other ISO compliant process inks!

### Ink Tack Readings

Black-14    Cyan-14    Mag-13.5    Yelo-11

The above tack readings are taken at 1200 RPM, 1 minute, 90° F, Thwing Albert 101 Inkometer.

### Set Speed

Gans **Resolution** process series rated **393** 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. **Resolution** 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.

### Solid Overprint Trapping

At the above solid ink densities on a #1 gloss sheet, **Resolution** trapped better than every competitors inks compared.

Red- 85%    Green-97%    Blue- 74%

### 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 D<sub>50</sub>, 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-9    Cyan-3    Magenta-2    Yellow-2

### Dot Gain @ 50%, AM 175 Line

At the above ink densities on a #1 gloss sheet, with no AQ, Gans **Resolution** printed extremely sharp, *even at 15,000 IPH!*

Black-18%    Cyan-14%    Mag-12%    Yelo-14%

### Stay Open (Skin-time)

Gans **Resolution** 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 **Resolution** 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 **Resolution'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 improve your Resolution, and to learn more about our full-range of process control services!*