



**GANS INK
& SUPPLY CO.**

Glow in the Dark Ink

Are you looking for the way to get your name *up in lights*? Gans Ink now offers an offset applied *glow in the dark ink* that rivals much more expensive off-line processes, for an *entrancing appearance* when the lights go out! Whether your goal is to bring a unique look to an artwork reproduction, produce emergency/safety indicators, enhance the security of an original document, or simply a novelty promotion to capture one's imagination, *we have the affordable solution!* Let Gans help you show the world how *bright* you are!

TECHNICAL PERFORMANCE DATA

■ Glow in the Dark Item Number

This ink has a pale cream color when printed and glows Greenish. **X102931**

■ Ink Tack Reading

Glow in the Dark Green: Tack **9-10**

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

■ Set Speed

Gans *Glow in the Dark Ink* rated a 97 out of 100 on Gans' internal scale for set speed on a #1 gloss coated sheet. While this ink is considered a specialty application product, not a typical production ink, it is considered to be a *very quick-setting ink*, similar to our fastest setting overprint varnishes.

■ Scuff-Resistance

This ink rated an 8 out of 10 on Gans' internal scale for scuff resistance. This test is performed on a #1 gloss coated sheet 24 hours after printing. This *Glow in the Dark Ink* will resist scuffing *well* on gloss coated papers. Post-processing on matte or dull stocks should be considered, due to the fragile nature of those paper surfaces.

■ Stay Open (Skin Time)

Gans *Glow in the Dark Ink* will not begin to develop a skin in the can or the fountain for at least **10 hours**. Extreme ambient temperatures will affect this stay open period.

■ Post Processing

This ink is *not* considered finishing friendly for UV coating, foil, lamination or laser imaging.

■ Recommended Substrates

Gans *Glow in the Dark Ink* is recommended for coated and uncoated paper stocks only.

■ Glow Charging

The pigment in this ink can be charged under a wide variety of light sources, but UV light waves (sunlight) are ideal. The charge time can vary between **5 and 30 minutes**, depending on light intensity. After the printed image is fully charged the afterglow can last up to **8 hours**.

■ Printing Tips and Recommendations

Gans *Glow in the Dark Ink* is similar to standard offset inks, but not exactly the same. The following tips are suggested for optimum press performance and appearance.

- The pigments used in this ink are heavy, and will settle in time. It is necessary to *stir the ink well* to insure uniform pigment distribution.

- The way to achieve the brightest glow effect is to print the heaviest film weight possible on the sheet. Typically, a *minimum of 2 hits* are necessary to achieve the same effect as an off-line coating process, although **3 hits** will improve the dramatic glowing appearance and duration.

- Due to the large particle size of the pigments used in this ink, piling on the blanket can occur on longer runs. This characteristic cannot be minimized by ink reducing additives, as the tack is already very low.

- Anecdotal reports, confirmed with lab testing, indicate that multiple hits at a heavy film weight on an uncoated sheet will demonstrate the most dramatic glowing effect after a 5 minute charge.

Gans Glow in the Dark Ink - We'll help get your printing noticed when the other guys can't even be seen!

**LONGEVITY
THROUGH
INTEGRITY**