



**GANS INK
& SUPPLY CO.**

Pearlescent Varnish

Gans Ink's Pearlescent varnish exhibits a lustrous, pearly finish that displays many subtle hues when viewed from different reflective angles. This varnish can be used alone as an overprint varnish to create an elegant background finish to your coated substrate, or overprinted on top of fully saturated colors to create a rich depth, with a crystalline metallic effect that cannot be achieved through any other process!

TECHNICAL PERFORMANCE DATA

Pearlescent Varnish Item Code

This varnish has a metallic appearance when in the can. **Item Code - 12171**

Ink Tack Reading

Gans Pearlescent Varnish: Tack 9 -10

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

Set Speed

Gans Pearlescent Varnish rated 100 out of 100 on Gans' internal scale for set speed on a #1 gloss coated sheet. While this varnish is considered a specialty application product, not a typical production ink, it is considered to be an extremely quick-setting overprint varnish.

Scuff-Resistance

This varnish rated a 4 out of 10 on Gans' internal scale for scuff resistance. This test is performed on a #1 coated sheet, 24 hours after printing. Gans Pearlescent Varnish will show minimal scuffing on gloss coated papers, if processed carefully. Post-processing on matte or dull stocks should be pre-tested, due to the fragile nature of those paper surfaces.

Stay Open (Skin Time)

Gans Pearlescent Varnish will not begin to develop a skin in the can or the fountain for at least 4 hours. Extreme ambient temperatures will affect this stay open period.

Post Processing

This varnish is not considered finishing friendly for UV coating, foil, lamination or laser imaging, due to the rub-resistant teflon waxes that seal its surface.

Recommended Substrates

Gans Pearlescent Varnish is recommended for coated and uncoated paper stocks only, although the prismatic effect is greatly minimized on uncoated surfaces.

Varnish Gloss Level

At a 60° angle Gans' Pearlescent Varnish showed a specular gloss reading of an astonishing **108.7 units** on a #1 gloss coated substrate, at a standard film weight. The iridescent particles that create the unique pearlescent finish also dramatically increase the reflection of light from its ultra-smooth surface!

Printing Tips and Recommendations

Gans Pearlescent Varnish is considered a transparent overprint varnish, but also bears a similarity to a metallic ink. The following tips are suggested for optimum press performance and effect.

- The pigments used in this varnish are heavy, and will settle in time. It is necessary to stir the ink well to insure uniform pigment distribution.
- Due to the large particle size of the pigments used in this varnish to achieve a deep, prismatic effect, piling on the blanket can occur on longer runs. *If* this condition results, ink reducing additives should not be utilized, as the tack is already very low.
- Once a can of Gans Pearlescent Varnish has been opened, it is strongly recommended that the unused portion be stored for no more than 4 months. This varnish will yellow in the can over time, affecting its printed appearance.

Gans Pearlescent Varnish - Create eye-catching effects that inspire curiosity and delight!

**LONGEVITY
THROUGH
INTEGRITY**