



**GANS INK
& SUPPLY CO.**



**LONGEVITY
THROUGH
INTEGRITY**

Diamond Sheen Varnish

Gans *Diamond Sheen* gloss overprint varnish is specially formulated for a crystal clear, glossy finish that will resist yellowing for an extended period. In addition to the rich, elegant finish *Diamond Sheen* will provide, this varnish will perform dependably on press and set *fast* on the sheet. *Diamond Sheen* is formulated for in-line wet trap applications, however, for the highest gloss levels, apply *Diamond Sheen* as a second pass.

TECHNICAL PERFORMANCE DATA

■ Diamond Sheen Item Number

Product Code: 26240

■ Varnish Tack Reading

Diamond Sheen has a tack level of **7 to 8**.

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

■ Set Speed

Gans *Diamond Sheen* overprint varnish rated **75.6** out of 100 on Gans' internal scale for set speed on a #1 gloss coated sheet. Gans *Marlite* gloss overprint varnish (S-1300) will set slightly faster for projects where ultra-fast set-speed is critical, however, *Diamond Sheen* will dry *glossier and clearer!*

■ Varnish Gloss Level

At a 60° angle *Diamond Sheen* showed a specular gloss reading of **75.6 units** on a #1 gloss coated sheet, at a standard film weight. If applied at a heavier film weight or as a second pass over printed areas on the sheet, gloss levels will be *even higher!*

■ Varnish Clarity

At a standard film weight Gans *Diamond Sheen* gloss overprint varnish remains exceptionally clear, with a spectral b* reading of only **1.29** after zeroing out on a #1 gloss coated sheet. Not only is this gloss varnish clearer than most competitor's overprint varnishes, *Diamond Sheen* will *remain clearer*, with less yellowing, for a longer period of time.

■ Varnish Stay Open (Skin Time)

Gans *Diamond Sheen* will not begin to develop a skin in the can or the fountain for at least 15 hours. Extreme ambient temperatures will affect this stay-open period.

■ Scuff-Resistance

Diamond Sheen rated a **4** out of 10 on Gans' internal scale for scuff resistance. This test is performed on a #1 gloss coated sheet 24 hours after printing. *Diamond Sheen* will resist scuffing *well* on gloss and matte coated papers. When applied as a second pass over printed areas, scuff protection will be even better.

■ Post Processing

Because *Diamond Sheen* contains high-gloss waxes to enhance its appearance and scuff resistance, this varnish is *not recommended* for printed material requiring subsequent processing such as foil-stamping or imprinting. *Diamond Sheen* has been developed for the most eye-catching finish achievable with an overprint varnish. When post processing is required, Gans L-8500 wax-free gloss overprint varnish (S-1027) has the finishing friendly characteristics necessary for success.

■ Overprint Varnish Tips

1. To reduce the chance of set-off when varnishing in-line, run only as much varnish as is necessary to keep the varnish plate clean of back-trapping. Start with varnish levels low and as the varnish film increases, the back-trapped image on the varnish plate will disappear. At this point, the varnish level is sufficient for the glossiest finish, while minimizing the risk of blocking or setting off in the delivery pile.

2. To finish the varnished sheet to a glassy smooth surface, polish it after it has thoroughly dried. Load the press with the varnished side of the sheet down so it will come in contact with the impression cylinder. Run the sheets back through the press on impression only, using as many units as the press allows for the smoothest, polished finish.

Gans Diamond Sheen gloss overprint varnish will give your finest print projects the finish and gloss of an exquisite jewel!