



GANS INK & SUPPLY COMPANY, INC.

www.gansink.com

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STANDARD SHELF LIFE EXPECTATION FOR PASTE LITHOGRAPHIC INKS

Gans Ink & Supply Company has prepared this document to help the printer gain a reasonable expectation of the useful lifespan of the different inks and coatings we manufacture.

The following information applies only to unopened ink containers originally packed by Gans Ink. Inks should be stored in a cool, dry location, avoiding direct sunlight or temperatures in excess of 100° F.

CONVENTIONAL OIL-BASED PROCESS INK, PANTONE BLENDS AND VARNISHES

These inks have a virtually unlimited lifespan if properly stored. Inks over 1 year since manufacture may experience a slight increase in viscosity. This can be reversed by vigorous knife mixing and/or the addition of a light reducing oil, such as Chinawood oil (L-3007).

CONVENTIONAL OIL-BASED METALLIC INKS

Due to the heavy nature of the metal flakes used in the formulation of these inks, over time a separation will occur. After approximately 90 days the metal flakes will have sufficiently settled out of suspension in the varnishes to compromise the performance/appearance of these inks. In addition, once opened these metal flakes will oxidize over time and slowly shift in color. Consequently, Gans Ink does not manufacture any metallic inks for inventory. These inks are made to order only.

CONVENTIONAL OIL-BASED SUBLIMATION PROCESS INK AND PANTONE BLENDS

When properly stored Gans' Pyroscript line of sublimation inks will maintain their integrity the same as other conventional oil-based inks, achieving a virtually unlimited shelf life.

SOLVENT/WATER BASED SILK SCREEN SUBLIMATION PROCESS INK AND PANTONE BLENDS

Gans Ink's Pyroscreen line of sublimation inks are highly sensitive to ambient temperature. These inks should be stored at room temperature, not to exceed 85° Fahrenheit. This line of sublimation inks, both solvent and water based, when stored at or near room temperature, will maintain their integrity for 1 year from the date of sale.

ENERGY CURABLE (UV) PROCESS INK AND PANTONE BLENDS

UV curable inks are highly sensitive to ambient temperature and light. Once the materials are combined with the photo initiators, and energy is applied via the milling process, a very low level polymerization process begins to occur and continues throughout the life of the mixed ink. Based on this, Gans Ink recommends that all energy curable inks be used within 6 months of the date of sale.

ENERGY CURABLE (UV) METALLICS AND SPECIALTY INK FORMULATIONS

As with conventional oil-based metallic inks, UV curable metallic inks face similar long-term stability limitations due to the heavy nature of the metallic particles. It is recommended that UV curable metallic inks be inventoried for no longer than 90 days from the date of sale. For other specialty UV curable ink formulations consult with your Gans Ink representative as many factors may limit the shelf life of these inks.

ENERGY CURABLE (UV) COATINGS

Gans Ink's LustreGlo line of gloss and matte UV coatings, when properly stored, have a useful shelf life of 1 year from the date of sale.

It is important to note that these shelf life projections are estimates only. Due to the many different climatic conditions across the country, shipping methods and conditions, and on-site storage circumstances, Gans Ink cannot guarantee beyond these general guidelines a specific ink type's useful lifespan.