

GO PhotoProof plnk™ Quality Inks for Use with Piezo Printers



INFO SHEET

- Manufactured to Exacting Specifications
- Hyper-Particulate Saturation (HPS) for Longevity and Saturation
- Outstanding for Proofing, Photorealistic Prints
- Use on Mimaki, Roland, Mutoh, Epson, Agfa, Kodak
- C, M, Y, K, LC, LM, Orange and Green* Inks
- VivaChrome™ Colors Available in Hi-Fi and Hexachrome

Graphics One (GO) Photoproof plnk Family

The Go PhotoProof plnk family of piezo inks is comprehensive and includes full sets of C, M, Y, K, Light Cyan, Light Magenta and Orange and Green, categorized into GA, Archival/UV and Pigmented Industrial inks. GO plnks are compatible with popular piezo printers such as Epson, Mimaki, Mutoh, and Roland and are outstanding for proofing, photorealistic imaging, outdoor output and many other applications.

Graphic Arts (GA)

GA features the widest color gamut of all the GO inks and creates a dazzling display of indoor color. Available: 220 ml cassettes, liter, gallon, 5 gallon and uFill 300 ml cassettes.

Archival/UV Inks

Archival/UV inks offer light stability and bright vivid colors. The durability of GO's Archival inks provide excellent color characteristics. Available: 220 ml cassettes, liter, gallon, 5 gallon and uFill 300 ml cassettes (a proven cost-saving solution!)

Pigmented Industrial Inks

GO's pigment inks are developed specifically for outdoor applications and offer long-lasting light fastness and bright vivid colors. GO is one of the few companies in the wide format industry using the pigments that are used by the automotive industry for automobile coating and paints. These pigments are ground during the ink manufacturing process to ensure durability and consistency. GO's Pigmented Industrial inks feature fade resistancy of over 100 years indoors and 1 year outdoors with a UV laminate. Available: 220ml cassettes, liter, gallon, 5 gallon and uFill 300 ml cassettes.

*Orange and Green are only available for pigmented inks.

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GO plnk™ Product Overview Inks for Large Format Printing

PRODUCT OVERVIEW



- Inks developed specifically for Piezo inkjet printers
- OEM quality at affordable pricing
- Formulated for outstanding color gamut with excellent light fastness
- Includes dye and pigment ink families with VivaChrome™ colors
- Works with complete line of Piezo printers including Agfa, Epson, Kodak, Mimaki and Roland
- uFill Cassette with plnk

Description

Graphics One (GO) offers the most complete range of inks and large and grand format printing in the industry. GO's plnks for Piezo mirrors the family of inks offered by Agfa, Epson, Kodak, Mimaki, Mutoh, and Roland. GO's plnks complement our elnks for ENCAD, slnks for Speciality Applications and glnks for Grand and Solvent product families.

GO works with some of the leading ink research and development companies for producing ink to our specifications. Our inks are filtered to .22 microns, with pigment particle sizes less than 100 nanometers. Our color consistency from batch to batch deviates less than .5 Delta E between batches. Additionally GO's Hyper-Particulate Saturation (HPS) technology guarantees saturated colors with the right UV screen for long-term color stability and UV durability.

VivaChrome™ Colors

GO plnks are currently available in Hi-Fi and Hexachrome colors, which we call VivaChrome™ color. Why do we call it VivaChrome? VivaChrome™ means expanded gamut colors beyond normal 4, 6 or 8 ink colors. (With Hi-Fi color, lighter densities of Cyan (Lc) and Magenta (Lm) are added to the CMYK inkset. The lighter cyans and magnetas help provide smoother blends and gradations between colors and create realistic fleshtones. Hexachrome is a six-color process registered trademark of Pantone that adds approved orange and green inks into the CMYK primaries. The orange and green reproduces more brilliant continuous tones images, as well as doubles the amount of color produced. This color cannot be obtained using conventional four color process printing.

GO VivaChrome™ colors include Hi-Fi and Hexachrome. In fact, GO will introduce new colors that will be outside the normal definition of Hi-Fi or Hexachrome colors. This is why we use the term VivaChrome™.

GO plnks for dye are Hi-Fi (C, M, Y, K, Lc., Lm). For the pigment inks, we have both Hi-Fi and Hexachrome colors (C, M, Y, K, Lc., Lm, O, G) as you will note below.

A Replacement/Application Chart is as follows:

GO plnks	Piez	Applications	Printers	Colors	HPS/UV
GA	GA	Wide color gamut posters, proofing, backlit	A,E,M,M,K,R	C, M, Y, K, Lc., Lm	BWS 2-3
UV/Archival	GS	Indoor archival, outdoor, photographic, backlit	A,E,M,M,K,R	C, M, Y, K, Lc., Lm	BWS 3-4
Industrial Pigment	GX	Outdoor banners, window, signs, textiles	A,M,M,K,R	C, M, Y, K, Lc., Lm, O, G	BWS 6-7

Compatible Printers/Inks

As you will note in the above chart, our plnks are compatible with Agfa, Epson, Mimaki, Mutoh, Kodak and Roland large format inkjets. An overview of each piezo printer, along with specific printer comments are as follows:

Agfa:

Agfa OEMs most of their large format inkjets from Mutoh. GO provides dye/pigment inks for Agfa in 220ml cassettes. With the Agfa inkjets, there is a sensor which must be installed on the back of the ink cassette in order for the cassette to operate properly. GO provides this sensor with our plnks cassettes.

Epson:

GO provides dye ink in 220 ml cassettes for the Epson 3000, 5000, and 9000. We do not provide pigmented inks for these devices.

Mutoh/Kodak:

GO provides both original Mutoh dye/pigment inks and also provides GO developed dye/pigment inks in 220 ml cassettes. These cassettes are compatible with both Mutoh and Kodak. GO provides the sensor with our plnk cassettes.

Mimaki:

GO provides both dye and pigment inks in 220 ml cassettes for Mimaki inkjets.

Roland:

GO provides both dye and pigment inks in 220 ml cassettes for Roland inkjets.

When ordering piezo inks in 220 ml cassettes, please make sure to advise which inkjet the cassettes will be using.

GO plnk Fade Resistance-How do we measure?

In association with our manufacturing partners, GO uses the Blue Wool Scale (BWS) to measure HPS/UV Screen or fade resistance of the inks. The BWS was originally developed for textiles and has now been adopted by automotive, paint, and commercial printing industries. The number on the scale are obtained after fading a test sample along with eight standards made from pieces of blue wool of varying fade resistance. A "1" on the BWS offers the least amount of light fastness while an "8" on the BWS offers the most. What does this mean with regards to light fastness? A Blue Wool value of 8 equals about 12 months of direct sunlight exposure in Florida without color shift. Please read below for an indication of how long the GO inks should last indoors and outdoors.

What is the fade Resistance of GO plnk?

The Blue Wool rating on our plnks is as follows:

As you will note in the chart above, the HPS/UV ratings on our elnks is as follows:

GO GA	BWS 2-3	1 year indoors
GO UV/Archival	BWS 5-6	Over 25 years indoors
GO Pigment Industrial	BWS 7-8	Over 100 years indoors; 1 year outdoors w/UV laminate

Ideal Applications

GO plnks are perfect for the same applications that are traditionally recommended for the OEM piezo inks. Some of our slnks (Specialty) are for use with piezo printers, but have been produced for specific applications not covered by he OEM inks.

Printer Compatible Printers/Inks

GO plnks are usable with Agfa, Kodak, Mutoh Falcon, Mimaki, Epson, Roland.

Feature and Benefits

Features	Benefits
Complete line of inks for Piezo printers	Allows a user to purchase all of their inks from one, high quality provider of inks.
Excellent color consistency between batches	Images colors will be consistent for calibration/profile matching.
Filtration down to .22 microns	No clogging of heads
Particulate size less than 100 nanometers	Enhanced ink flow
Hyper-Particulate Saturation (HPS) Technology	Saturated and consistent color characteristics for imaging
UV screen formulated for application	Vivid, long lasting colors specific to application
Custom formulated for application	Allows user to select exact ink for specific application

plnk FAQs

Q: Are the plnks 220 ml cassettes filled?

A:The 220 ml cassettes come prefilled with GO inks.

Q: Can the 220 ml cassettes be refilled?

A: Although we offer pricing for five-gallons containers of piezo ink, it is not recommend that these cassettes be refilled unless the proper equipment is used. Special air vacuum equipment is required for ensuring that there are no air bubbles in the ink. The cassettes will malfunction if the inks are not filled under strict guidelines. The five-gallon pricing is for those distributors who have purchased the proper equipment for filling these cassettes or for those who offers the uFill cassette.

Q: What is the shelf life of piezo inks?

A: The normal shelf life is two years for the dye-based inks and one year for the pigmented ink.

Q: Does pH level indicate ink quality?

A: According to our advisors and ink scientists, pH level is not an indication of quality. There have been some low quality inks which have a high pH and a strong smell of ammonia.

Q: Since GO inks are less expensive than Epson and the other piezo inkjets, does that mean the quality is less?

A: With a team of scientists who have worked at the world's leading inkjet manufacturer, our team is well positioned to provide quality which is equal to or surpasses the original manufacturer inks. Our prices are low because GO has much lower overheads and expenses. These savings are passed on to our customers in lower prices.

Q: Does GO support the 3000, 5000, and 9000 inkjets from Epson?

A: At this time we provide dye-based inks for the professional printing products from Epson, which are the same 3000, 5000, and 9000 printers. We do not provide pigment inks for these printers.

GO Ink General FAQ's

Q: Who develops and produces the inks for GO?

A: GO is working with a group of ink and color scientists to produce high quality graphic arts inks for a variety of applications. The quality of our ink equals or is better than the original inks provided with the printer. Our inks are developed for specific applications to meet the needs of our customers.

Q: Are the GO inks balanced to each other?

A: GO produces balanced ink sets, which, when combined, produce rich and vibrant results with a larger color gamut than the original inkjet manufacturer.

Q: How is the consistency of GO inks?

A: Quality control is one of the major benefits that your customers will receive when using GO inks. With our Ultra-Pure Filtration, our inks are filtered to .22 microns to remove particles and impurities. Sophisticated measuring equipment is used to insure color consistency of less than one Delta E (< .5 Delta E) batch to batch, which means it is not perceptible by the human eye. A change of color of 4 Delta E must occur before the human eye can perceive a different color.

Q: What type of inks does GO provide and why are they special?

A: GO has developed inks for specific applications and for specific inkjet platforms. Our current offering includes dye and pigment inks for piezo and thermal. The actual dye and pigment colorants contained in our ink have been chemically developed in conjunction with printer specifications to take full advantage of the specified inkjet's operational characteristics.

Q: What are GO's product names:

A: The product names are:

1. eInk- for ENCAD inkjets
2. pInk- for Piezo inks
3. sInk- for Speciality applications
4. gInk- for Grand Format/ Solvent inkjets

Q: How does the size of GO's particles compare to competitors?

A: With a size of less than 100 nanometers, GO's particles are among the smallest, but most dense in the industry. With our Hyper-Particulate Saturation (HPS) technology, a user can be assured that the dye and pigment particulates provide saturated coverage evenly dispersed throughout an image.

Q: Does GO provide ICC profiles for its inks?

A: In order to provide a correct profile, the inks must be profiled with the media on which it will be imaged. In this case, GO offers leading profiling packages and color measuring devices for creating profiles of ink and media combinations. Of course, this is if the user has an ICC compliant RIP (the Wasatch RIP is totally ICC compliant).

PRODUCT OVERVIEW

Q: What is the shelf life of the GO inks?

A: The dye ink has a shelf life of two years and the pigment ink has a shelf life of one year.

Ink Sizes

Graphics One provides plnks in 220 ml cassettes, uFill 300 ml Refillable Cassettes, One Liter, One Gallon, and Five Gallon sizes.

Special Bundles

Graphics One offers special pricing when our plnk is purchased with our uFill 300ml Refillable Cassettes.

Additional Information

1. GO Express News
2. Specification Sheet
3. Ink Comparison Chart
4. Price List
5. Graphics One Website
6. GO enews -Consumables-Monthly Newsletter

Please feel free to contact Graphics One, LLC for more information:

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