

Green Vocabulary

VOC: Stand for Volatile Organic Compounds. These are organic compounds which when burned emit fumes into the atmosphere. These fumes, generated by such things as our use of cars or industrial discharge, add to the daily pollution of our environment. The reduction of VOC's into our atmosphere can help reduce global warming.

VOC Free UV Inks: From the very beginning UV inks have been VOCFree. Their utilization of vegetable based oils makes the VOC level less than 1% which by EPA standards is considered to be 0% VOC. All UV varnishes and PMS colors are VOCFree.

VOC Free Standard Ink Set: Paragraphics uses a special set of process inks that are made with vegetable based oils and are VOCFree. Again, they have less than 1% VOC and are considered to be 0% VOC. Only our 4cp inks, Cyan, Magenta, Yellow and Black are VOCFree. The PMS colors and varnishes are considered low VOC.

UVInks: One perception of UV printing is that is just a coating at the end of the printing press. UVInk is 4 color process inks that dries instantly from exposure to UV lamps. Each unit on the press has a drying lamp. We can place these lamps after each printing unit and achieve a "dry tramp" effect in line. This is called interdeck drying. Because UV has an instantaneous drying ability it makes printing on uncoated stock look almost as vibrant as printing on coated stock.

Soy Based Inks: Introduced to the cold web market in the 1980's, soy based inks became very popular with sheetfed offset presses in the early 1990's. They substituted some of the mixing oils with soybean oil. Even though the "Soy Bean Association of America" is no longer in business the ink is still widely used today. Their VOC's range from 10% to 6%. Paragraphics Soyinks are 6%.

Strike Through: This is a special technique for a spot gloss/spot dull effect achieved in line. Using UVcp, a special varnish and UV coating, we can get a result better than conventional dry trapping.

UV Coating: UV coating is not VOCFree. The coating has low VOC emissions of about 3%. It has superior protection and gloss to other coatings. It comes in Gloss, Silk and Dull finish.

Aqueous Coating: Aqueous Coating is an acrylic/water-based coating. The VOC emissions range from 5% to 15%. Paragraphics uses a low VOC coating of 5%. It also comes in Gloss, Silk and Dull finish.