

# Ink Revolution

## Heat it. Print it.

# QUICK FAQs

**Q. What makes this ink different?**

**A.** Our new ink is the first “direct-to-anything” indoor/outdoor green ink. Can you imagine being able to print on virtually any substrate with an ink which is environmentally friendly, has no smell and no special coating is needed? This ink is now available--a water based resin ink with almost unlimited applications for use on printers using EPSON piezo printheads.

**Q. How does the ink work?**

**A.** This water based resin ink uses heat for curing the imaging. As we say: “Heat it. Print It.,” meaning all a user has to do is make sure the surface of the substrate is heated up to 55 C. Preheaters are standard on all eco-solvent printers, including Mutoh, Mimaki and Roland printers and can heat substrates to this temperature.

**Q. What happens to the ink after it is imaged?**

**A.** The ink works very much like uv-curable ink in that the ink actually sits on the surface of the substrate rather than being absorbed. The ink is almost immediately dry to the touch. The binders are like super glue and provides adhesion similar to UV curable ink, UV stability and abrasion resistance similar to what can be expected with eco-solvent inks.

**Q. How can the ink use between 30-50% less ink for the same coverage?**

**A.** The ink actually sits on the surface of the image and is not absorbed by the substrate. Based on this fact, less ink is used to cover the same area than other types of inks.

**Q. What types of materials can be printed?**

**A.** The ink works with virtually any material in which the substrate surface can be heated to 55 C. Whether it is rigid, flexible, porous, non-porous, non coated or coated materials. The range is almost unlimited and there is nothing proprietary about the substrates.

**Q. Which printers does the ink work with?**

**A.** This ink works with any printer using EPSON piezo printheads including Mutoh, EPSON, Mimaki and Roland printers. The printers must have a preheater for the ink to work. The ink is water based which means no internal changes are needed to any of the printers and, there is no need for special solvent resistant parts. Graphics One will provide preheater solutions for those printers needing this capability. Basically this ink can be used on tens of thousands of printers in the market; there is nothing proprietary about the required printer.

**Q. What printer preparation is needed prior to installing the new ink?**

**A.** Easy instructions are provided for use with a special flushing and cleaning solution so that either a user or a reseller can ensure the printer is ready for the installation of the new ink.

**Q. Is this ink a latex type ink?**

**A.** No. Like latex, resin is a polymer and they are chemically different. Our ink is latex-free.

**Q. When will Graphics One start shipping this ink and to whom?**

**A.** Graphics One only works with resellers in your area for local support. The ink will be ready for delivery in February.