



Application Bulletin

UVP-AB-106

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Blak-Ray Fluorescent Inks

Blak-Ray® Fluorescent Inks fall into two categories: porous and non-porous in keeping with the type of surface used for their application. The porous Textile and Readmittance Inks are better suited for use on skin, fabric and similar porous or textured surfaces.

All Blak-Ray Fluorescent Inks are formulated to fluoresce brightly under Blak-Ray longwave ultraviolet lamps.

Porous Fluorescent Inks

Readmittance Inks are in use at amusement parks, social gatherings and sporting events all over the world. Non-toxic, fast-drying and durable, their non-transferable characteristic offers the best protection available against revenue losses caused by illegal entry. Patrons leaving the premises to return momentarily have their hands stamped with the invisible ink. To be readmitted, they simply pass their hands under the Blak-Ray ultraviolet lamp. The invisible stamp fluoresces brightly, indicating they have paid their admission and then are readmitted. All Readmittance Inks will last up to 24 hours.

Simple to use ... Readmittance Inks come ready-made. No mixing, no complications. These inks can easily be applied with a stamp pad, automatic marker or other materials.

Won't gum up ... Stamp pads stay cleaner longer and the stamp's features remain clear and unclogged to render a clear image. Stamps and pads are easily freshened with ordinary rubbing alcohol.

Odorless ... A reduced rate of evaporation emits less fumes. No odors on skin or clothing. An there's more ink in the stamp for a greater length of time.

Non-toxic ... Each invisible Readmittance Ink has been tested by an independent testing laboratory to ensure safety for use on human skin. They are harmless to skin and clothing.

Economical ... Very frugal amounts of ink are used with stamp pad application, so Readmittance Ink pays for itself easily, the first season. 

RI-10 and RI-20 are recommended for use with textiles as well as Readmittance. Normal laundering removes these inks.

A-800 and A-801 are highly concentrated dye solutions formulated to withstand chlorinated water. They are used primarily for readmittance at public swimming pools.

The A-658 Textile Ink is available for use in marking fabric in construction of clothing, furniture coverings, etc. A-658 can be applied to any porous or textured surface in any way convenient to their use: felt pen, automatic marker, brush, roller, stencil. They dry quickly and fluoresce brilliantly under the Blak-Ray UV lamp. A-658 is used for temporary marking on various textiles. The ink dries to a light powder and can be brushed away or laundered out.

Non-Porous Fluorescent Inks

Printing Ink is ideal for printing over an already printed surface without sacrificing label or graphics space. Package design goes undisturbed. The ink is highly visible under longwave UV light. This ink is made with binders that promote its adhesion to smooth, dense surfaces and hard or soft surfaces such as plastics, metals, nylon, and formica. A-946 Ink, formulated with a solvent base, can be used with rotogravure and flexographic presses, and can be applied by any means convenient to its use.

Ultraviolet Lamps

A variety of longwave ultraviolet lamps are available from UVP. Please refer to our catalog for the ultraviolet lamps to best fit your requirements. The B-100AP Lamp with Finger Guard is recommended for Readmittance Management applications. Handheld portable and rechargeable lamps are available for field use.