

Astro Clear™

3826 Astro Clear™ is a versatile special effects ink that appears nearly invisible when viewed under normal lighting conditions, but will come to life under a UV black light. 3826 Astro Clear™ can be used alone or in combination with other inks to create a variety of print effects.

- ➡ 3826 Astro Clear™ is press ready and offers excellent wash-fastness after curing.
- ➡ 3826 Astro Clear™ can be used on 100% cotton and cotton/poly blend fabrics.
- ➡ 3826 Astro Clear™ can be used as a unique decorative tool as well as highlight certain portions or hidden aspects of a printed design. Letters or designs can be outlined or highlighted, or “hidden” motifs can be incorporated that only become visible under a black light.
- ➡ 3826 Astro Clear™ can be printed over other inks or discharge systems to produce a wide range of new innovative looks.
- ➡ 3826 Astro Clear™ has a very soft hand when printed with high mesh counts and can also help in reducing fibrillation.

Adding 3826 Astro Clear™ to garment designs would add an unexpected or surprise element when viewed under a black light. Order your 3826 Astro Clear™ today and try this versatile ink! 3826 Astro Clear™ Base is available through International Coatings' exclusive network of distributor companies.

Contact us at 1 (800) 423-4103 (within the U.S. only) or 1 (562) 926-1010, or visit www.iccink.com for more information.



Normal Light View



Under Blacklight



Under Blacklight

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International Coatings™
Creating Performance Solutions

Astro Clear Product Bulletin

FEATURES

- 3826* Astro Clear™ is a NP (non-Phthalate) clear plastisol that is nearly invisible under normal lighting conditions and when exposed to UV black light, illuminates.
- Can be used to create unique special effects such as hidden messages or other unique markings.
- Very soft-hand product when printing with fine mesh counts and can help reduce fibrillation.

*Lead Compliant (Contains less than 90 ppm lead)

Application & Storage Information

RECOMMENDED FABRICS	100% cotton. Some light colored cotton/polyester blends. Always test print fabric before beginning a production run for adhesion, curing and possible dye migration.
INK APPLICATION	3826 Astro Clear™ should be used right from the container without any modifications. If product has not been used for a while, stir the product well before use. If thinning is required, use International Coatings' 1110 Curable Reducer (1% to 5% by weight). Adding too much reducer will make the ink illuminate less under black light.
SCREEN MESH AND EMULSION	110-230 t/in or 43-90 t/cm Monofilament Any direct or indirect plastisol resistant emulsion. Use 35 to 70 micron capillary film for best results.
SQUEEGEE	65-70 Durometer: Sharp Edge 60-90-60 or 70-90-70 Triple Durometer: Sharp Edge
CURE TEMPERATURES	325°F (163°C) entire ink film. Since plastisols do not air dry, they must be fused with an appropriate heat source in order to achieve durability. The optimum time/temperature cycle will vary with the amount of ink deposited, fabric and the type of heat source used. Test dryer temperatures and wash test printed product before and during a production run.
CLEAN-UP	Any environmentally friendly plastisol screen wash.
PRODUCT PACKAGING	Quarts, Gallon, 5 Gallon Pails, or 30 or 50 Gallon Fiber Drums
STORAGE OF INK CONTAINERS	Keep inks indoors and store in a cool area. Recommend storage at 65° F to 90°F (18°C to 32°C). Avoid storage in direct sunlight or under extreme temperature conditions
PRODUCT MSDS	Refer to material safety data sheet MSDS8.

SPOT FLASHING

This product will spot dry with a very low after flash tack in 2 to 8 seconds depending on the spot dryer used. In some cases, you may have to lower the heat of the spot cure unit because too much heat may actually make the ink tacky. When you spot dry, you are only partially fusing or gelling the surface of the ink. The ink should just be dry to the touch, with no lift off, but not totally fused. Totally fusing the underprint white may cause inter-coat adhesion problems with the inks printed on top of the white ink. Final fusing or curing should occur in the dryer.

IMPORTANT INFORMATION

1. 3826 Astro Clear™ is not a low bleed ink and on some fabrics bleeding or dye migration may occur. Always test print the actual fabric to be printed before beginning production. It is best to do some long term testing on some fabrics to determine if they are going to bleed. Bleeding or dye migration may not occur right away.
2. 3826 Astro Clear™ can be used to overprint other colors where black light illumination is desired. Printing through very fine mesh counts can improve the feel of the print, but may lower the black light illumination properties of the ink.
3. 3826 Astro Clear™ should not be dry cleaned, washed with any bleaching agents or directly ironed. Recommend washing on delicate cycle, inside out and line or air dry for best long term wash durability.

Recommendations and statements made are based on International Coatings' research and experience. Since International Coatings does not have any control over the conditions of use or storage of the product sold, International Coatings cannot guarantee the results obtained through use of its products. All products are sold and samples given without any representation of warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application.

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