



Optilux® 507 ENHANCED REFLECTIVE PLASTISOL INK



RECOMMENDED FABRICS

100% Cotton
Some 50/50 Cotton/Polyester Blends



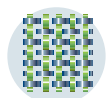
INK APPLICATION

Optilux® 507 Enhanced Reflective Plastisol Ink must be mixed with the Optilux® Coupler 100 before printing in order to obtain best wash and wear durability



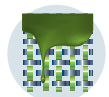
ADDITIVES

Not recommended



SCREEN MESH

110 t/in (43 t/cm) monofilament



EMULSION

Any direct or indirect emulsion or capillary film in the 35 to 70 micron range



SQUEEGEE

60-70 Durometer
Sharp edge



CURE TEMPERATURES

325°F (163°C) entire ink film



CLEAN-UP

Any eco-friendly plastisol screen wash



PRODUCT PACKAGING

Quart, 1 gallon, or 5 gallon containers



STORAGE OF INK CONTAINERS

65° to 90°F (18°C to 32°C)
Avoid storage in direct sunlight
Keep containers well sealed



SDS

Refer to SDS's prior to use

FEATURES

Optilux® 507 Enhanced Reflective Plastisol Ink is an easy to print, two-part, retro-reflective ink that contains light-reflecting microspheres and metallic flakes.

When a garment printed with Optilux® 507 ink is exposed to a focused beam of light, such as that from a flashlight or an automobile headlight, it reflects or returns light back to the light source.

Optilux® 507 appears as a conventional metallic silver shimmer ink under normal lighting conditions, and helps increase nighttime visibility of a printed design.

INK APPLICATION

Optilux® 507 ink must be mixed thoroughly with Optilux® Coupler 100 before printing in order to obtain best wash and wear durability. Optilux® Coupler 100 is provided in 2 fluid oz. (60 ml) and 8 fluid oz. (250 ml) containers. Stir thoroughly into the Optilux® 505 Reflective Ink prior to use. The recommended proportions are:

By weight: 20 grams of ink to 1 gram of Optilux® Coupler 100.

Pot life of mixed ink is approximately 8 to 12 hours. Do not mix more ink than is needed for the job. Any mixed ink not used within 12 hours should not be used again.

Optilux® 507 is not recommended for use on non-porous fabrics such as shell nylon or any other very tightly woven fabric. For use on cotton and some cotton/polyester blends. This is not a low bleed product and is not recommended for use on bleeding fabrics

Print Optilux® 507 ink through a 110 t/in (43 t/cm) monofilament screen. Use one flood stroke and one print stroke for best results. Adding pigment to Optilux® 507 ink will shade the ink slightly to a desired color, but adding too much pigment will diminish the reflective properties of the ink.

IMPORTANT INFORMATION

The Optilux® 507 Enhanced Reflective Ink is ready for use as supplied. For best results, product should not be modified with any viscosity reducers or thickeners. Product should not be printed through very coarse or very fine mesh counts in order to obtain the best print and reflectivity results.

Always stir Optilux® 507 Enhanced Reflective Inks thoroughly prior to each use. The reflective microspheres used in the ink will settle in the container when ink is stored for any length of time.

The Retro-Reflective (backward return of projected light) ability of the Optilux® 507 Reflective Ink can be diminished by using an improper screen mesh, under-curing, or by adding other inks, pigments or additives.

Always pre-test this product before using in production. Check for reflectivity, opacity, adhesion, wash durability and any other attributes that are required for your particular application.

For best long term wash durability of printed fabric, machine wash finished product in cold water, delicate cycle, and wash inside out. Do not use bleach. Do not iron on printed area of garment. Recommend line or hang to dry.

LEGAL DISCLAIMER

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