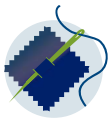
International Coatings™
Textile Screen Printing Inks

UNICORN WHITE™

FlexCure™



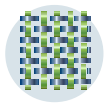
RECOMMENDED FABRICS
Some 100% cotton
Cotton/Polyester Blends
100% Polyesters



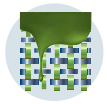
INK APPLICATION
Unicorn White™ should be used right from the container without any modifications



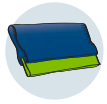
ADDITIVES
Not recommended



SCREEN MESH
60-230 t/in (24-90t/cm) monofilament



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



SQUEEGEE
65-75 Durometer
Sharp edge



CURE TEMPERATURES
275°F to 325°F (135°C to 165°C) entire ink film



CLEAN-UP
Any eco-friendly plastisol screen wash



PRODUCT PACKAGING
1 gallon, 5 gallon, 30 gallon or 50 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 prior to use

FEATURES

Unicorn White™ is a member of our **FlexCure™** product line, designed for versatile curing. **FlexCure™** inks can be cured at temperatures as **low as 275°F (135°C)** or up to the standard 325°F (163°C), offering greater flexibility in production.

Unicorn White™ is a premium, ultra-low bleed, high-pigment, fast-flashing, low-tack, non-phthalate plastisol screen printing ink. Designed to combat dye migration, it provides consistent, high-quality results on challenging polyester fabrics.

Unicorn White™ features an exceptionally creamy viscosity, making it incredibly easy to print. This allows for smoother application with **less pressure needed** to clear the screen compared to other poly whites.

SPOT FLASHING

Unicorn White™ spot dries quickly with minimal after-flash tack. The dwell time depends on the spot dryer used, and in some cases, reducing the heat may be necessary to prevent the ink from becoming tacky. When spot drying, only the surface of the ink should be partially fused or gelled – just dry to the touch with no lift-off, but not fully cured. Fully fusing the underprint can lead to inter-coat adhesion issues with subsequent layers. Final curing should always take place in the dryer.

IMPORTANT INFORMATION

Unicorn White™ is an ultra-low bleed ink, but not a non-bleed ink. Some fabrics may still experience bleeding or dye migration, so it's essential to test print before production. Long-term testing is recommended, as dye migration may not be immediate.

Avoid adding reducers or additives, as they can reduce bleed resistance, lower opacity, and extend cure times. Always **stir the ink** before printing and after mixing in any additives.

CAUTION: Excessive squeegee pressure can push the ink through the fabric, making it appear less opaque. Overuse of reducers can also diminish opacity. Less is more.

For best results and to minimize bleed, cure at lower temperatures. Excellent results have been achieved curing at **275°F (135°C)**.

Always test dryer temperatures and conduct wash tests on printed products before and during production runs.

Ghosting, or fabric discoloration may occur when using this product on some 100% cotton fabrics. Always test for ghosting, dye or pigment migration or bleeding on any 100% cotton fabric before beginning production.

DISCLAIMER

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13929 166th St., Cerritos, CA 90703 • PH (800) 421-6971 or (562) 926-1010 • FAX (562) 926-9486 • E-mail icinfo@iccink.com • www.iccink.com