wilflex™

SHOCK LC WHITE

PRODUCT INFORMATION BULLETIN

LOW CURE

SHOCK LC WHITE is a non-phthalate, low cure premium white ink that delivers superior printability with an ultra-soft, subtle, pliable and bright smooth finish for 100% cotton garments. It is characterized by its fast flash and fast print strokes making it ideal for high production print shops. Shock LC White has the opacity and brightness to perform admirably in vector stand-alone white graphics but also the ability to hold detail for fine mesh halftone graphics..

HIGHLIGHTS

- High opacity, superior coverage, brilliant white
- Commendable printability on both manual and automatic presses
- Premium soft hand, drape and fiber-matte down
- Excellent for vector and fine mesh half-tone graphics

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- Use a printing technique to assure a good ink deposit for best durability
- Allows for fast print strokes and easy clearance on fine mesh. Use hard flood and low-medium squeegee pressure
- SHOCK LC WHITE is a low cure ink designed for 100% cotton. When printing on polyblends that are prone to bleed, pre-test for suitability using a low cure temperature (270°F/132°C). For challenging fabrics, a bleed blocking underbase such as EPIC Armor LC Gray or Black is required.
- Adjust flash cure temperature and dwell time so ink is just dry to touch. Depending on flash unit, a 2 - 3 second flash is adequate.
- Curing is a time and temperature process, a lower oven temperature setting with a slower belt speed while maintaining recommended ink cure temperature is always best to protect fabric, control dye migration and reduce energy consumption
- SHOCK LC WHITE can be cured between 270°F - 320°F (132°C - 160°C)
- Suitable for use as an underbase flash white or as a hi-lite white

COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit: www.avient.com/wilflex-compliance

SUSTAINABILITY

Reduced Energy Use

PRECAUTIONS

The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications

RECOMMENDED PARAMETERS

Fabric Types
100% cotton

Mesh
Count: 86-305 t/in (34-120 t/cm)
Tension: 25-35 n/cm2

Squeegee
Durometer: 60/90/60, 70/90/70, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Fast stroke
Angle: 10-15%

Stencil
2 over 2
Off Contact: 1/16” (2mm)
Emulsion Over Mesh: 15-20%

Flash & Cure
Flash: Surface Temp 180°F (83°C)
Cure: 270°F - 320°F (132°C - 160°C)

Pigment Loading
N/A

Wilflex™ Additives
ASI Viscosity Buster-1% max

Storage
65-90°F (18-32°C)
Avoid direct sunlight
Use within one year of receipt

Clean Up
Ink degradant or press wash

Health & Safety
Find SDS information here:
www.avient.com/resources/safety-data-sheets
or contact your local CSR

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