

Description

LumoTex is a patent pending product made with a combination of dye-sublimated knit fabric and a glass bead reflective film. The product is lightweight, flexible and applies in 20 seconds or less.

Best Uses

LumoTex enhances safety at night while allowing colors not usually replicated with reflective materials to be visible in the daytime as well. Commonly used with athletic apparel, or workwear where visibility at night is important.

Options

Color

Textile colors

Unlimited colors Pantone matched



Reflective stock colors



LumoTex™ Material



Backing

- Heat Transfer - applied with a heat press
- Patch - sew-on
- PSA (Sticker) - peel and stick
- Velcro - hook or loop side

Details

Minimums

- Order quantity: 250+
- For designs greater than 20 square inches, minimums may be less

Size Specifications Min/Max

- Minimum image size: 1/2" x 1/2" (12.7 mm x 12.7 mm)
- Maximum image size: 24" x 18" (610 mm x 457 mm)
- Minimum reflective freestanding element: 1.0 mm

Production Time

- Two (2) days art time
- Order ships two (2) weeks after art approval, or sooner

Fabrics

Adheres to the following fabrics:

- Canvas • Cotton • Denim • Dri-FIT • Fleece • Mesh
- Polyester • Rayon • Spandex • Textured Knits

Custom fabric testing available

Testing Information

- 50 home wash cycles with tumble dry at 40° C (104°F) maintains >100 cd/lux-m²
- Silver reflective meets ANSI 107 and other global high visibility standards > 300cd/lux-m²
- Oeko-Tex Standard 100 Certified
- A01 and RSL compliant
- 25 dry clean cycles

Shelf Life

Three (3) years in a controlled environment

Disclaimer FiberLok Technologies recommends testing according to your heat press and garment parameters. FiberLok Technologies is not liable for any damages incurred during the application process.

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For More Information:
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Application Information

1. Machine Settings

Important: Machine must have one cushioned, soft surface

Lumotex® Heat Transfers

Temp: 325° F (163° C)

Time: 15-20 seconds

Pressure: Medium/Low (30-40% of the pressure range of most machines.)

NOTE: Above settings are general recommendations. Every material and press varies, please adjust your pressure according to your machine results. LumoTex technicians are also available to help with your application.

2. Pre-Test Fabric

Check fabric for melting, scorching, curling or other problems by applying heat at the temperature recommended above. Application to waterproof/water-resistant fabrics, leather or slick nylons are not recommended, due to adhesion or scorching problems.

3. Place Transfer

Place transfer on fabric with the adhesive side down.

Recommended: Cover with a clean piece of application paper to keep items clean.

4. Apply Heat

Apply heat for specified dwell time.

Once heat cycle is complete, remove application paper (if used).

5. Let Cool

Remove from heat press keeping flat, without pulling or twisting while warm, which can weaken the adhesion. Allow applied transfer to cool to the touch or to room temperature in a flat position.

6. Peel Film (if applicable)

Prior to peeling film, let transfer cool to room temperature.

Peel away film backing, while checking that design is transferring.

If not, confirm settings and repeat steps 3-5.

7. Test Adhesion

Test transfer adhesion by machine washing with detergent. While still wet, try to pick off design. If the design comes up slightly in the corners, then adhesion is satisfactory; if design can be peeled off in a continuous large piece, then adhesion is not satisfactory.

Contact us for assistance.

8. Final Check

Final check on appearance and feel. Properly applied, FiberLok apparel graphics look clear, feel soft, and will last the lifetime of the garment.



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