



Coats® Signal™ Lucence™ Heat Transfer

Coats Signal Lucence Heat Transfer is a phosphorescent and reflective film that can be cut in stripes, logos or bespoke designs.

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Signal™
Lucence™

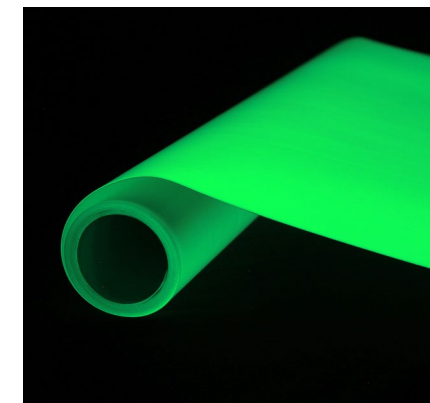


REFLECTIVE
HEAT TRANSFER

2026

Why choose Coats Signal Lucence™?

- In addition to retro-reflectivity and a fluorescent colours, Coats Signal Lucence Heat Transfer offers a third layer of visibility. It works when there is no primary light source or reduced light.
- The solution requires no battery or cables. The Photoluminescent material absorbs both natural and artificial UV light through electron excitation which it then emits as an afterglow in low light or zero light. Each time Coats Lucence material is exposed to UV light it will recharge.
- Coats Signal Lucence Heat Transfer has a short charging time. UV light charging times vary depending on the type of light but typically a day light charge will take 5 minutes and a charge in overhead fluorescent light ten minutes.
- Features a long afterglow which lasts over 8 hours with the first hour being the brightest.
- In addition to phosphorescent properties, all Coats Signal Lucence products offer reflectivity of around 100 cd/lx/m2.
- Coats Signal Lucence Heat Transfer can be washed on the garment and has been independently tested to meet the requirements for domestic laundry.
- The technology lasts as long as the garment with testing showing the phosphorescent pigments work for 20 years.
- OEKO-TEX® STANDARD 100.



*Photo luminescent is tested according to DIN 67510-1 Measure of Photoluminescent Phosphorescent and Durability of Safety Signs" Clause 7.11 and Pigments and Products - Part 1: Measurements and Marking at the producer.

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Product Composition

It consists of a patent pending formulation of strontium nitrate photoluminescent pigments and clear microscopic glass beads, which is applied on a durable polymer layer. The heat reactive adhesive is applied on the back side, whilst the protective liner on the phosphorescent and reflective side can be removed after the lamination.

Main uses:

- Apparel
- Sportswear and athleisurewear
- Childrenswear
- Pets and pedestrian accessories
- Workwear and uniforms
- FR workwear and uniforms
- PPE
- Heat transfer can be customised in a segmented version for use on stretch fabrics or plotter cutted/ screen printed to make logos or bespoke designs.

Lamination Instructions

Heat press

Recommended settings for fusing using a standard heat press. Remove the blue liner if present.

	C702200	C722200
Application temperature	140-160°C	170-180°C
Pressure	3-5 bar	3-5 bar
Dwell time	12-20 seconds	20-25 seconds

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Technical Data

Article	C702200	C722200	C722205
Glowing colour	 Phosphorescent Yellow	 Phosphorescent Yellow	 Phosphorescent Yellow
Type	Heat transfer	FR Heat transfer	FR Heat transfer
Feature	Segmented		
Backing	Polymer film	FR polymer film	FR polymer film
40°C Domestic Wash (ISO 6330, 4N) with low tumble dry	50		
60°C Domestic Wash (ISO 6330, 6N+F) with tumble dry		60	60
EN 469, EN ISO 14116, EN ISO 11611, EN ISO 11612		•	•
EN ISO 15384		•	•
Photoluminescence - DIN 67510-1	•	•	•
OEKO-TEX® STANDARD 100	•	•	•

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Wash and care

Domestic washing and drying

Do not pre-soak

Do not use a pre-wash program

Recommended wash program is for coloured clothing wash

Do not wash at a higher temperature than 40°C (C702200) or 60°C (C722200)

Recommended wash temperature is 40-60°C

Maximum Program time 50 minutes

Maximum wash time at highest wash temperature 12 minutes

Domestic washing powders for delicate and coloured fabrics are recommended

Line drying is the preferred method of drying

Can be tumble dried

Coats Signal Lucence reflective tapes should be stored in a cool (5°C to 25°C), dry place with less than 70% relative humidity, and used within one year of the date of receipt. After use, rolls should be returned to their original packaging or suspended from the center using a rod.

Expert Real World Support

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com

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