

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.

COATS
signal lucence

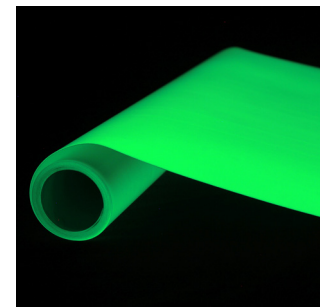


HEAT TRANSFER
PHOSPHORESCENT
POWERED BY VIZLITE DT

WHY CHOOSE SIGNAL LUCENCE HEAT TRANSFER?

- 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.
- It is certified according to Standard 100 by Oeko-Tex.
- In addition to phosphorescent properties, all Coats Signal Lucence products offer reflectivity of around 100 cd/lx/m² except product C622000

*Photo luminescent is tested according to ISO 17398:2004 "Safety Colours and Safety Signs – Classification, Performance and Durability of Safety Signs" Clause 7.11 and DIN 67510-1:2009 Measure of Photoluminescent Phosphorescent Pigments and Products - Part 1: Measurements and Marking at the producer.



CoatsSignal Lucence Heat Transfer

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
- 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.

TECHNICAL DATA

| | |
|--|--|
| Article | C702200 |
| Colour | Phosphorescent Yellow |
| Backing / Liner | PE (Polyethylene) / PET (Polyethylene terephthalate) |
| Type | Heat transfer |
| 40°C Domestic Wash (ISO 6330, 4N) with low tumble dry (Number of washing cycles) | 50 |
| Photoluminescence – ISO 17398 | Yes |
| Photoluminescence - DIN 67510-1 | Yes |
| Standard 100 by Oeko-Tex | Yes |

LAMINATION INSTRUCTIONS

Heat press

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

| | |
|-------------------------|------------|
| Application temperature | 140-150°C |
| Pressure | 45 PSI |
| Dwell time | 12 seconds |

Continuous heat press

Nip roller pressure should be even

Nip roller pressure ideally set at 70psi (approx. 5 bar)

Machine speed should be set so that the panel is in the tunnel for approx. 12 seconds

Temperature should be set at 140°C

Remove the blue liner if present

Temperature inside of tunnel should be checked used a temperature strip

Place the heat transfer with adhesive side down on the substrate

Do not apply Transfer film over seams or stitching.

Delicate fabrics should be protected by placing a silicon sheet or cloth cover over the film and fabric during lamination

The PET Liner should be split when cold by gently lifting from one corner



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WASH AND CARE

Domestic washing (40°C) 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

Recommended wash temperature is 30-40°C

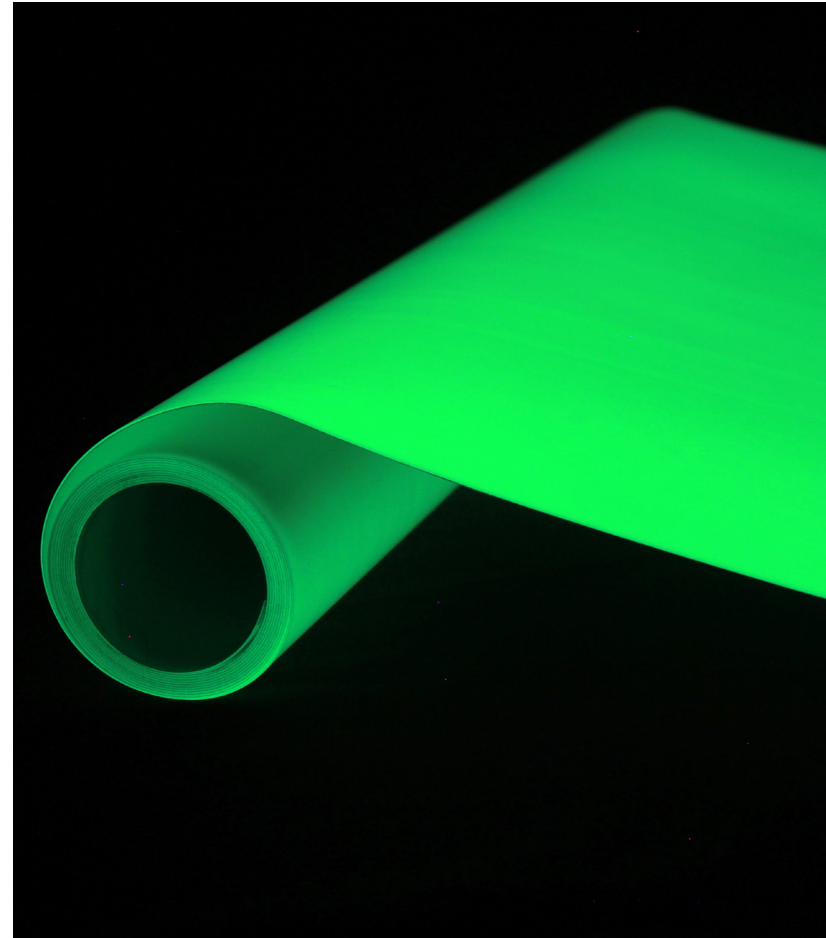
Maximum Program time 50 minutes

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

This product can be tumble dried on a low heat setting at up to 50 times



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats will take no responsibility or liability for any machine damage caused by the use of this product and it is important that the factory is fully informed of the preventative care and usage of Signal Lucence. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. Coats Signal Lucence cannot guarantee an absolute visibility especially in severe weather conditions. © Copyright reserved 2021



CoatsSignal Lucence Heat Transfer

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 yarn 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/signal-lucence-heat-transfer



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