

COATS
signal lucence



SEW-ON TAPE
PHOSPHORESCENT
POWERED BY VIZLITE DT

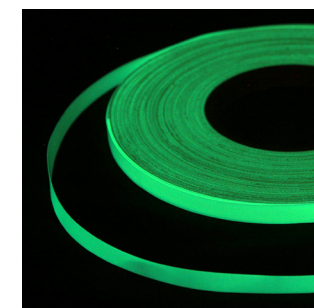
Coats® Signal Lucence™ Sew-on Tapes

Coats Signal Lucence Sew-on Tapes is a range of high performance phosphorescent sew-on tapes for workwear, PPE, general apparel and accessories.

WHY CHOOSE SIGNAL LUCENCE SEW-ON TAPES?

- Coats Signal Lucence Sew-on Tapes 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 Sew-on Tapes 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.
- Coats Signal Lucence Sew-on Tapes 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.



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PRODUCT COMPOSITION

It is made from a patent pending formulation of strontium nitrate photoluminescent pigments and clear microscopic glass beads, which is applied on different fabric types such as polyester / cotton, flame retardant cotton and meta-aramid.

MAIN USES:

- Apparel
- Sportswear and athleisurewear
- Childrenswear
- Pets and pedestrian accessories
- Workwear and uniforms
- PPE

TECHNICAL DATA

	C602000 Phosphorescent Yellow Poly / Cotton Sew-on	C602500 Phosphorescent Yellow Industrial Sew-on	C602100 Reflective tape with phosphorescent material	C622000 Phosphorescent Yellow FR Cotton Sew-on	C612500 Phosphorescent Yellow M-aramid Sew-on
40°C Domestic Wash (ISO 6330, 4N) with low tumble dry (Number of washing cycles)	50	50	50	50	50
60°C Domestic Wash (ISO 6330, 6N) with normal tumble dry (Number of washing cycles)		50			50
75° C Industrial Wash (ISO 15797) with tunnel dry (Number of washing cycles)		30			30
Photoluminescence – ISO 17398	Yes	Yes	Yes	Yes	Yes
Photoluminescence - DIN 67510-1	Yes	Yes	Yes	Yes	Yes
High Vis – EN ISO 20471 or ANSI/ISEA 107, AS/NZS 1906.4			Yes		
Flammability - EN 469, EN ISO 14116, EN ISO 11611, EN ISO 11612				Yes	Yes
Flammability - NFPA 2112				Yes	
Electric arc - EN 61482-1-1, EN 61482-1-2, ASTM F1959				Yes	
Electrostatic - BS EN 1149-3				Yes	
Standard 100 by Oeko-Tex	Yes	Yes	Yes	Yes	Yes



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WASH AND CARE

Domestic washing (40°C) and drying	Domestic washing (60°C) and drying	Industrial wash (75°C) and drying
Do not pre-soak	Do not pre-soak	Maximum wash temperature: 75°C
Do not use a pre-wash program	Do not use a pre-wash program	Tunnel dry: 160°C
Recommended wash program is for coloured clothing wash	Recommended wash program is for coloured clothing wash	Use low alkaline surfactant detergent, do not use sodium hydroxide or potassium hydroxide containing detergents, lower pH near to neutral is recommended
Do not wash at a higher temperature than 40°C	Do not wash at a higher temperature than 60°C	Do not use solvenated surfactants
Recommended wash temperature is 30-40°C	Maximum Program time 50 minutes	Do not use perborate based bleaching
Maximum Program time 50 minutes	Maximum wash time at highest wash temperature 12 minutes	Soak soap for less than 15 min
Maximum wash time at highest wash temperature 12 minutes	Domestic washing powders for delicate and coloured fabrics are recommended	
Domestic washing powders for delicate and coloured fabrics are recommended	Line drying is the preferred method of drying	
Line drying is the preferred method of drying	This product can be tumble dried on a normal heat setting at up to 50 times	
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



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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-sew-on-tapes



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