

# COATS SIGNAL







## ABOUT COATS

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At Coats we have over 250 years of pioneering experience and are global leaders in industrial threads, zips, engineered yarns and trims, employing more than 17,000 employees in over 50 countries. We are proud of our tradition of landmark innovations in threads, zips, colour technology and manufacturing processes, many of which have become global industry standards. Our comprehensive range of products are designed to deliver the desired strength and performance characteristics

that make Coats' products the first choice for manufacturers of high quality textiles. Our product offer is supported by a suite of value added services to help customers improve efficiency, solve problems and train staff online or onsite. Coats' comprehensive product offer, worldwide network and established leadership in innovation and service make us your natural first choice for a truly global partner.

## COATS SIGNAL

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Coats Signal is a global range of high quality, reflective tapes for workwear, protective clothing, apparel and accessories.

When illuminated by a light source, Signal helps to enhance a product's visibility at night or during bad weather. In combination with fluorescent elements, Signal improves daytime and low light visibility.

Signal articles exceed the requirements of key high-visibility regulations to ensure maximum performance. Our premium quality retro reflective tapes designed for tough industrial laundry conditions and can withstand up to 70 industrial laundry cycles including tunnel dry at temperature of 160°C. All Signal articles comply with STANDARD 100 by OEKO-TEX®.

Discover how Signal can enhance your products.



## SEW-ON TAPES



### Domestic Wash

Coats Signal retro reflective tapes for domestic wash are for all types of high visibility applications. They meet and exceed the requirements of key high visibility norms including EN ISO 20471 and ANSI/ISEA 107. When illuminated by a light source, they help to enhance the visibility at night-time or difficult weather conditions.

#### APPLICATIONS

- Apparel
- Luggage and travel goods
- Fashion accessories
- Workwear
- Uniforms

#### TECHNICAL DATA

Article		C402000	C402200
Daytime colour			
		Silver	Silver
Backing		Poly/Cotton	Poly/Cotton
Retro-reflective performance (cd/lux/m <sup>2</sup> )		400	500
60°C Domestic wash ISO 6330		60	100
Dry clean ISO 3175		50	50
EN ISO 20471		✓	✓
ANSI/ISEA 107		✓	✓
STANDARD 100 BY OEKO-TEX®		✓	✓
Standard width (other widths available upon request)	50mm	✓	✓
Make-up (standard width)	Meter / Roll	200	200










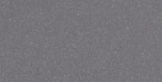
## SEW-ON TAPES Industrial Wash

Coats Signal retro reflective tapes for industrial wash are for all types of high visibility applications. They are designed for tough industrial laundry conditions and withstand up to 70 industrial laundry cycles including tunnel drying at temperatures of 160°C. Rigorous testing in industrial wash cycles ensures these products meet the quality that you expect from Coats.

### APPLICATIONS

- Apparel
- Workwear
- Uniforms

### TECHNICAL DATA

Article	C402500	C402700	C442500	C402700-00003
Daytime colour	 Silver	 Silver	 Silver	 Dark Grey
Benefits			First sustainable reflective tape on the market	Same high reflectivity as standard silver tapes
Backing	Poly/Cotton	Poly/Cotton	100% Recycled Polyester	Poly/Cotton
Retro-reflective performance (cd/lux/m <sup>2</sup> )	500	500	500	500
60°C Domestic wash ISO 6330	100	100	50	100
75°C Industrial wash ISO 15797, method 8 tumble dry and tunnel dry	30	70	50	50
Dry clean ISO 3175	50	50	50	50
EN ISO 20471	✓	✓	✓	✓
ANSI/ISEA 107	✓	✓	✓	✓
STANDARD 100 BY OEKO-TEX®	✓	✓	✓	✓
Standard width (other widths available upon request)	50mm	✓	✓	✓
Make-up (standard width)	Meter / Roll	200	200	200



# HEAT TRANSFERS


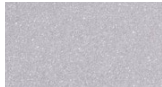


## For domestic and industrial wash

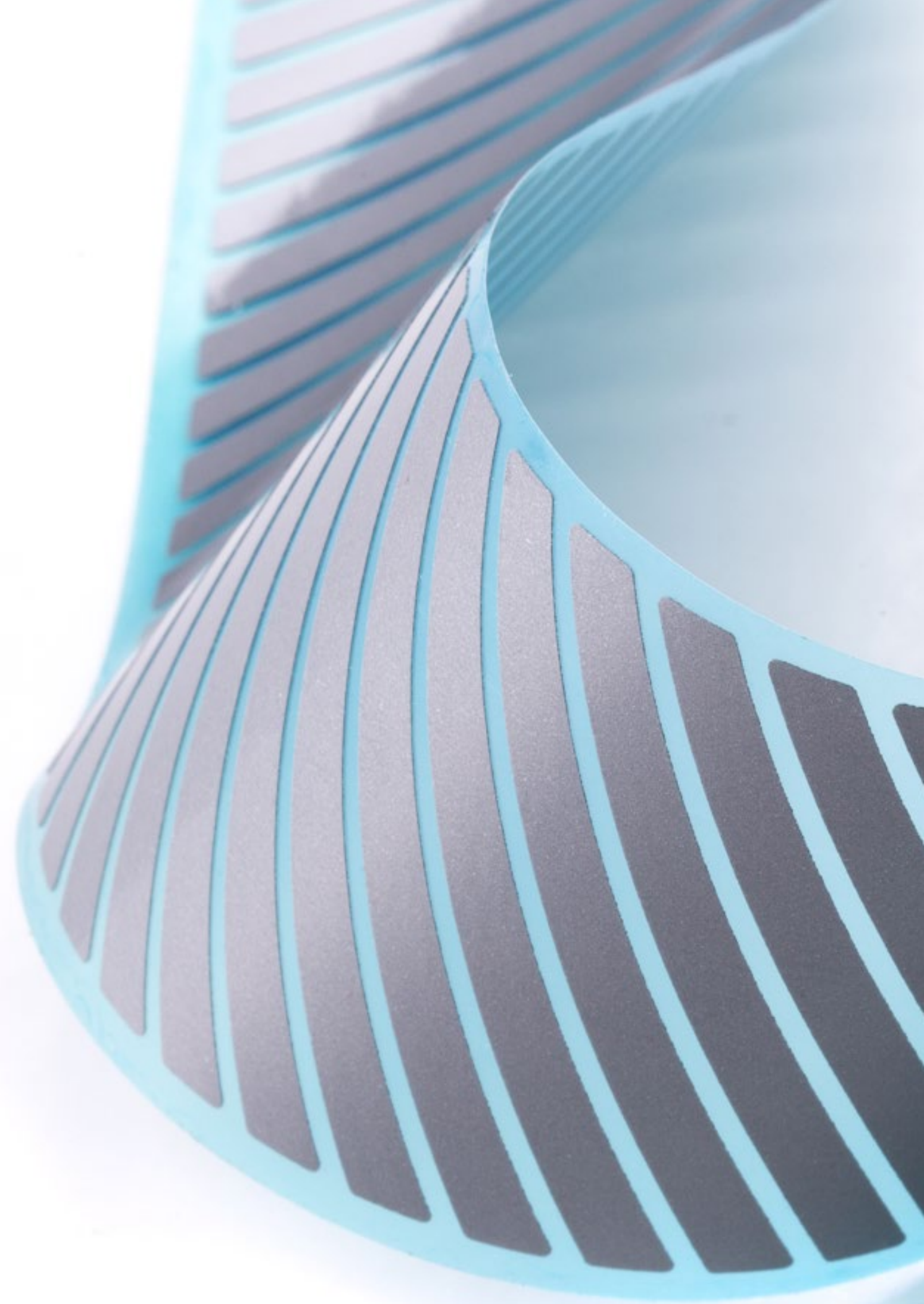
Coats Signal retro reflective heat transfers are for all types of high visibility applications and can be easily applied by using a heat press. They can be laser cut and are an ideal choice for customized designs and logos. Coats Signal retro reflective heat transfers offer a number of benefits such as industrial washing performance and increased wearing comfort.

### APPLICATIONS

- Workwear
- Uniforms
- Sportswear
- Childrenswear
- Luggage and travel goods
- Fashion accessories

### TECHNICAL DATA

Article	C502200	C502600	C50250S	C50260S	C532100
Daytime colour					
	Silver	Silver	Silver	Silver	Silver
Feature			Segmented	Segmented	Elastic
Backing	Polymer film	Polymer film	Polymer film	Polymer film	Polymer film
Retro-reflective performance (cd/lux/m <sup>2</sup> )	500	500	400	400	500
60°C Domestic wash ISO 6330	60	100	50	100	20
75°C Industrial wash ISO 15797, method 8 tumble dry and tunnel dry		50	30	50	
Dry clean ISO 3175	50	50	50	50	50
EN ISO 20471	✓	✓	✓	✓	✓
ANSI/ISEA 107	✓	✓	✓	✓	✓
STANDARD 100 BY OEKO-TEX®	✓	✓	✓	✓	✓
Standard width (other widths available upon request)	50mm	✓	✓	✓	✓
Make-up (standard width)	Meter / Roll	200	200	200	200







## FLAME RESISTANT AND FLAME RETARDANT Sew-on tapes for domestic and industrial wash

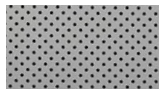


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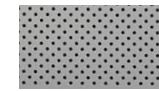
Coats Signal premium flame resistant and flame retardant retro reflective tapes are designed for maximum heat and flame protection, for great visibility and resistance to extreme conditions. These products are certified according to European, US and Australian protective clothing standards. Coats Signal retro reflective tapes are made of flame retardant cotton or meta-aramid and have been designed to withstand industrial washing.

### APPLICATIONS

- Heat and flame protective clothing for firefighters
- Heat and flame protective clothing for industrial applications

## TECHNICAL DATA

Article	C422100	C42210P	C422310	C422810
Daytime colour	 Silver	 Silver	 Yellow/Silver Red/Silver	 Flour Yellow Flour Red
Feature		Perforated		
Backing	FR cotton	FR cotton	FR cotton	FR cotton
Retro-reflective performance (cd/lux/m <sup>2</sup> )	500	500	500	75
60°C Domestic wash ISO 6330	100	100	60	30
75°C Industrial wash ISO 15797, method 8 tumble dry and tunnel dry	50	50		
Dry clean ISO 3175	50	50	50	30
EN ISO 20471 / EN 469	✓	✓	✓	✓
EN ISO 15384			✓	✓
ANSI/ISEA 107	✓	✓	✓	✓
NFPA 1971 / 1977 / 2112	✓	✓		
NFPA 1975				
NFPA 1951				
CAN/CGSB 155.22 / CAN/CGSB 155.20				
STANDARD 100 BY OEKO-TEX®	✓	✓	✓	✓
Standard width (other widths available upon request)	50mm	✓	✓	✓
	75mm			✓
Make-up (standard width)	Meter / Roll	100	100	50

Article	C412300	C41230P	C412400	C412500	C41250P
Daytime colour	 Yellow/Silver Red/Silver	 Yellow/Silver Red/Silver	 Yellow/Silver	 Silver	 Silver
Feature		Perforated			Perforated
Backing	M-aramid	M-aramid	M-aramid	M-aramid	M-aramid
Retro-reflective performance (cd/lux/m <sup>2</sup> )	500	500	500	500	500
60°C Domestic wash ISO 6330	60	60	60	100	100
75°C Industrial wash ISO 15797, method 8 tumble dry and tunnel dry				50	50
Dry clean ISO 3175	50	50	50	50	50
EN ISO 20471 / EN 469	✓	✓	✓	✓	✓
EN ISO 15384			✓	✓	✓
ANSI/ISEA 107	✓	✓		✓	✓
NFPA 1971 / 1977 / 2112	✓	✓		✓	✓
NFPA 1975	✓				
NFPA 1951	✓			✓	
CAN/CGSB 155.22 / CAN/CGSB 155.20	✓			✓	
STANDARD 100 BY OEKO-TEX®	✓	✓	✓	✓	✓
Standard width (other widths available upon request)	50mm	✓	✓	✓	✓
	75mm	✓	✓		
Make-up (standard width)	Meter / Roll	100	100	100	100



# FLAME RESISTANT AND FLAME RETARDANT Heat transfers for domestic and industrial wash



Coats Signal premium flame retardant retro reflective heat transfers are designed for maximum heat and flame protection, for great visibility and resistance to extreme conditions. These products are certified according to global protective clothing standards. Retro reflective silver grey heat transfers are designed to withstand industrial washing.

## APPLICATIONS

- Heat and flame protective clothing for firefighters
- Heat and flame protective clothing for industrial applications



## TECHNICAL DATA

Article	C522100	C52210S	C52230S	C52250S	
Daytime colour	 Silver	 Silver	 Yellow/Silver	 Yellow/Silver	
Feature		Segmented	Segmented	Segmented	
Backing	FR polymer film	FR polymer film	FR polymer film	FR polymer film	
Retro-reflective performance (cd/lux/m <sup>2</sup> )	500	400	400	400	
60°C Domestic wash ISO 6330	100	100	60	50	
75°C Industrial wash ISO 15797, method 8 tumble dry and tunnel dry	50	50			
Dry clean ISO 3175	50	50	50	50	
EN ISO 20471 / EN 469	✓	✓	✓	✓	
EN ISO 15384			✓	✓	
ANSI/ISEA 107	✓	✓	✓		
NFPA 1971 / 1977 / 2112		✓	✓		
NFPA 1975					
NFPA 1951					
CAN/CGSB 155.22 / CAN/CGSB 155.20					
STANDARD 100 BY OEKO-TEX®	✓	✓	✓	✓	
Standard width (other widths available upon request)	50mm	✓	✓	✓	
	75mm		✓	✓	
Make-up (standard width)	Meter / Roll	200	200	100	100







## PIPING AND ELASTIC Sew-On products

Coats Signal piping and elastic products have the same high visibility retro reflective properties that define the Coats Signal range. They are suitable for high visibility and decorative applications across a wide variety of garments and fabric types. Both piping and elastic products are ideal to add distinctive design elements to sportswear, fashionwear and childrenswear while enhancing visibility in low light or adverse weather conditions.

### APPLICATIONS

- Sportswear
- Childrenswear
- Outerwear
- Workwear
- Uniforms
- Luggage and travel goods
- Backpacks
- Fashion accessories

### TECHNICAL DATA

Article	C302200	C432200	C432100	C532100
Daytime colour	 Silver	 Silver	 Silver	 Silver
Feature	Piping maximum one joint in 100m	Single sided elastic tape	Double sided elastic tape	Elastic heat transfer
Construction / backing	Poly/ Spandex with inner cord and lining	Poly/Spandex	Poly/Spandex	Polymer
Retro-reflective performance (cd/lux/m <sup>2</sup> )	400	500	500	500
60°C Domestic wash ISO 6330	✓	✓	✓	✓
Dry clean ISO 3175	✓	✓	✓	✓
EN ISO 20471		✓	✓	✓
ANSI/ISEA 107		✓	✓	✓
STANDARD 100 BY OEKO-TEX®	✓	✓	✓	✓
Standard width (other widths available upon request)	5mm	✓	✓	
	50mm		✓	✓
Make-up (standard width)	Meter / Roll	100	200/50	200







## SIGNAL LUCENCE Phosphorescent tapes

Coats Signal Lucence is a range of sew-on tapes, heat transfers and self-adhesive material which utilises a patent pending, revolutionary safety innovation based on phosphorescent technology (VizLite DT).

### APPLICATIONS




- Apparel
- Footwear
- Activewear
- Firefighters
- PPE
- Workwear


### WHAT ARE THE BENEFITS?

- QUICK CHARGING TIME**  
**UNDER 10 MIN**  
IN DAYLIGHT & FLUORESCENT LIGHT
- AFTERGLOW FOR OVER 8 HOURS**
- RETRO REFLECTION**
- FULLY LAUNDERABLE**
- NO BATTERIES**
- OEKO-TEX®**  
CONFIDENCE IN TEXTILES  
**STANDARD 100**  
MEETS HIGH VISIBILITY, FR AND ARC CERTIFICATION



## TECHNICAL DATA

Article	C602000	C602500	C602100
	Sew-on	Sew-on	Sew-on
Glowing colour	 Phosphorescent Yellow	 Phosphorescent Yellow	 Reflective tape with phosphorescent material
Backing	Poly/Cotton		
40°C Domestic Wash (ISO 6330, 4N)	50	50	50
60°C Domestic Wash (ISO 6330, 6N)		50	
75° C Industrial Wash (ISO 15797)		30	
EN ISO 20471 or ANSI/ISEA 107			✓
EN 469, EN ISO 14116, EN ISO 11611, EN ISO 11612			
BS EN 1149-3			
NFPA 1971 / 1977 / 2112 / 1975 / 1951			
CAN/CGSB 155.20			
STANDARD 100 BY OEKO-TEX®	✓	✓	✓
Standard width (other widths available upon request)	10mm	✓	✓
	70mm		✓
Make-up (standard width)	50m	✓	✓
	100m	✓	

Article	C622000	C612500	C702200
	Sew-on	Sew-on	Heat transfer
Glowing colour	 Phosphorescent Yellow	 Phosphorescent Yellow	 Phosphorescent Yellow
Backing	FR Cotton	M-aramid	PE (Polyethylene) / PET (Polyethylene terephthalate)
40°C Domestic Wash (ISO 6330, 4N)	50	50	50
60°C Domestic Wash (ISO 6330, 6N)		50	
75° C Industrial Wash (ISO 15797)		30	
EN ISO 20471 or ANSI/ISEA 107			
EN 469, EN ISO 14116, EN ISO 11611, EN ISO 11612	✓	✓	
BS EN 1149-3	✓		
NFPA 1971 / 1977 / 2112 / 1975 / 1951		✓	
CAN/CGSB 155.20		✓	
STANDARD 100 BY OEKO-TEX®	✓	✓	✓
Standard width (other widths available upon request)	10mm	✓	✓
	70mm		
Make-up (standard width)	50m	✓	✓
	100m		



## TECHNICAL DATA

Article	C802000
Colour	Phosphorescent Yellow
Backing / Liner	Multi-layered film with a permanent pressure sensitive adhesive with a PET backing sheet
Type	Self-adhesive
Thickness	Without Liner: 370 microns With Liner: 470 microns Liner: 80 microns Adhesive layer: 20 microns
Adhesive colour	Permanent pressure sensitive Acrylic 63% ethylhexyl acrylate 23% methyl acrylate 14% methyl methacrylate
Adhesive type	Permanent pressure sensitive Acrylic 63% ethylhexyl acrylate 23% methyl acrylate 14% methyl methacrylate
Liner	Clear film 80 microns
Application temperature	10°C - 38°C
ISO 17398	✓
DIN 67510-1	✓








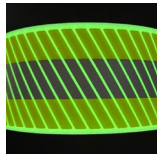
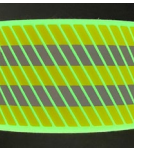
## SIGNAL LUCENCE PRO High Performance Sew-On Tapes

Coats Signal Lucence PRO is a range of high performance sew-on tapes, which offers the option to combine three technologies; retro-reflectivity, fluorescence and phosphorescence in a single material to meet the requirements of the hi-vis workwear and firefighter markets.

### APPLICATIONS

- Firefighters
- Hi- vis workwear

### TECHNICAL DATA

	C612100	C612200	C612400
Glowing colour	 Silver Phosphorescent Yellow	 Yellow/Silver Phosphorescent Yellow	 Yellow/Silver Phosphorescent Yellow
Feature	Retro-reflective Phosphorescent	Retro-reflective Fluorescent Phosphorescent	Retro-reflective Fluorescent Phosphorescent
Backing	M-aramid	M-aramid	M-aramid
Type	Sew-on	Sew-on	Sew-on
60°C Domestic Wash (ISO 6330, 6N)	50	60	50
EN ISO 20471	✓	✓	✓
EN 469, EN ISO 14116, EN ISO 11611, EN ISO 11612	✓	✓	✓
EN ISO 15384	✓	✓	✓
STANDARD 100 by OEKO-TEX®	✓	✓	✓
Width	55mm	✓	✓
	77mm		✓
Make-up (standard width)	50m	✓	✓



## DISCLAIMER

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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure herself or himself 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 above is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Coats Signal cannot guarantee an absolute visibility especially in severe weather conditions.

Product information sheets are updated from 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.



# READY TO COLLABORATE WITH COATS?

For more information visit  
[www.coats.com](http://www.coats.com)