

COATS
signal
C442 500



RETRO REFLECTIVE
TAPE

Coats® Signal C442 500

Coats Signal C442 500 is a retro reflective tape made of sustainable material and designed for tough industrial laundry conditions including tunnel dry at 160°C. When illuminated by a light source, it helps to enhance the visibility in night time or difficult weather conditions.

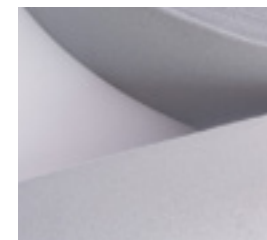
Coats Signal C442 500 is made of high performance glass beads laminated on a durable 100% recycled polyester fabric backing. The daytime colour is silver and when illuminated by light the reflected colour is white.

WHY CHOOSE SIGNAL C442500?

- Sustainable product made of 100% recycled polyester fabric backing - the first sustainable reflective tape in the market
- Can withstand tough Industrial washing
- Meets requirements of EN 20471 and US ANSI/ISEA 107-2015
- Standard 100 by Oeko Tex®
- Available in various widths
- Global service

MAIN USES:

- Workwear and uniforms
- PPE which is certified according to EN20471 and US ANSI/ISEA 107-2015
- Sports and Activewear
- Accessories



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PRODUCT CERTIFICATION

Coats Signal C442 500 is approved according to EN ISO 20471 high visibility standard. It delivers maximum retro reflective performance. The typical reflective performance (RA in cd/lux/m²) according to EN ISO 20471, table 4 is shown below:

Observation angle	Entrance angle	Coats Signal C442 500	Minimum nom requirement
12°	5°	500	330

INDUSTRIAL WASH

Maximum wash temperature: 75°C

Tumble dry: 90°C

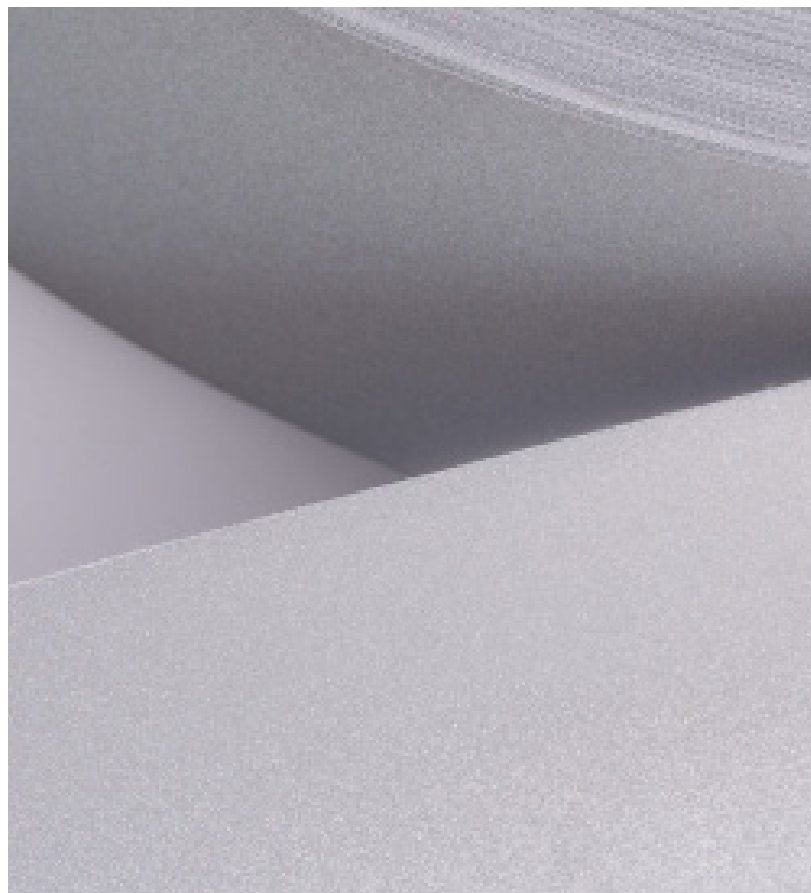
Tunnel dry: 160°C

Use low alkaline surfactant detergent, do not use sodium hydroxide or potassium hydroxide containing detergents, lower pH near to neutral is recommended

Do not use solvenated surfactants

Do not use perborate based bleaching

Soak soap for less than 15 min.



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As conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets their requirements and is suitable for their intended purpose. Information provided by Coats is based on current averages and should be taken as indicative only. Coats assumes no warranty whatsoever concerning the accuracy, precision, validity, reliability and/or comprehensiveness of the information provided. Liability claims brought against Coats on the grounds of damage of a material or immaterial nature arising out of the accessing or utilization of the published information or misuse or improper application of our products are hereby excluded. Coats supports customers with advice on individual applications on request; if you need assistance or have any questions, please contact us. © Copyright reserved 2020



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PHYSICAL PERFORMANCE

Coats Signal C442 500 meets or exceeds in origin the performance as per EN ISO 20471, clause 6.1 as well as the requirements in clause 6.2 after exposure to abrasion, flexing, folding at cold temperature, temperature variation, washing, dry cleaning and influence of rainfall. The following table shows the detail specifications.

Retro reflective performance in origin	EN ISO 20471:2013, pt. 6.1, table 4 and 5 Test method: CIE 54.2
Retro reflective performance after pre-treatment	EN ISO 20471:2013, point 6.2, table 6 Test method: CIE 54.2
Abrasion	EN ISO 12947-2:2007, 9 kPa, wool, 5000 cycles
Flexing	EN ISO 7854:1997, method A, 7500 cycles
Folding at cold temperature	ISO 4675, (-20 ±2)°C
Temperature variation	EN ISO 20471:2013, pt. 7.4.4, 12 hours @ (+50±2)°C & 20 hours @ (-30±2)°C
Domestic wash 60°C	EN ISO 6330:2012, method 6N+F, 50 cycles
Industrial wash 75°C with tumble dry at 90°C and tunnel dry at 160°C	EN ISO 15797:2004, method 8 with tumble dry (90°C) and tunnel dry (160°C), 50 cycles
Dry clean	EN ISO 3175-2:2010, perchloroethylene, 50 cycles
Influence of rain	EN 20471:2013, annex C

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.



Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



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.



Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.



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

For more information, talk to your Coats representative today or visit www.coats.com/signal-c442500

