
Technical Data Sheet

Product Description

Coats Signal C432 100 is an elastic double-sided retro reflective sew-on tape for high visibility and decorative applications. When illuminated by a light source, it helps to enhance the visibility in nighttime or difficult weather conditions.

Product Construction

Coats Signal C432 100 is made of high performance glass beads laminated on a 85% polyester / 15% spandex fabric backing. The daytime colour is silver and when illuminated by light the reflected colour is white.

Areas of Applications

Coats Signal C432 100 is an elastic double-sided retro reflective sew-on tape for high visibility and decorative applications such as workwear, sportswear and clothing for cyclists, children and pedestrians. Coats Signal C432 100 has retro reflective properties on both sides and can be integrated in seams as an alternative to traditional piping.



Reflective Performance – EN ISO 20471

Coats Signal C432 100 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.

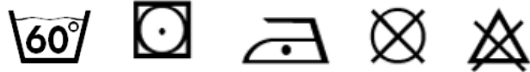
Observation angle	Entrance angle	Coats Signal C432 100	Minimum norm requirement
12'	5°	500	330

Article Number

Art. No.: C432 100 / width: 5mm - spool of 200 m
Other widths are available on request

Care Instructions

Domestic Wash



Physical Performance

Coats Signal C432 100 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.

Tests	Details
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, 30 cycles
Dry clean	EN ISO 3175-2:2010, perchloroethylene
Influence of rain	EN 20471:2013, annex C

Storage

Coats Signal reflective tapes should be stored in a cool and dry place with low humidity. The used rolls should be returned back to original packaging or suspended from the middle by using a rod.

General Safety Information

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.

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. Coats Signal cannot guarantee an absolute visibility especially in severe weather conditions.

Further Assistance

Please contact your local Coats representative for further assistance.