

DATA SHEET



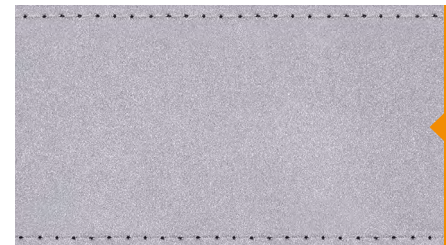
INDUSTRIAL WASHING



SEW-ON APPLICATION

RETHIOTEX® 30 100 is a reflective fabric to sew especially designed for intensive industrial washing and tumble drying. Thanks to its lightness, this tape can be used on all types of garments.

This reflective fabric is adapted to PPE subjected to important industrial care constraints. RETHIOTEX® 30 100 it meets the ISO 15797 standard for 70 industrial washings at 75°C and 70 tumble dryings.



COMPOSITION

- Wide-angle reflective glassbeads: high and maintained retroreflection regardless the orientation.
- Substrate: 65% polyester and 35% cotton.



COLOUR AND WEIGHT

- The tape is silver-grey and reflects a white colour during the night.



RETHIOTEX® 30 100:
400 g/sqm +/- 30 g



USE

- Cutting:** scissors, press, paper cutter.
- We can cut the exact needed width from 1 cm.
- RETHIOTEX® 30 100 can also be made in PIPING.



CONFORMITY



STANDARD
100
CQ1127/1
IFTH

- High Visibility: EN ISO 20 471 (2013) + A1 (2016)**
 - After 100 homewashing cycles at 60°C – (ISO 6330: 2012). Washing method: 6N – Drying method: F.
 - After 70 industrial washing cycles at 75°C + 70 tumble drying cycles at 90°C - (ISO 15 797: 2004). Washing method: No8 – Drying method: A.
 - After 50 dry cleaning cycles (ISO 3175-2).
- Conform to the Oeko-Tex® standard, Class 2**



COEFFICIENT OF RETROREFLEXION

Table 4 of the EN ISO 20471 (2013) + A1 (2016) – Test report AITEX 2022EP0788.

| Entrance Angle \ Observation Angle | 5° Mini EN ISO 20471 | 20° Mini EN ISO 20471 | 30° Mini EN ISO 20471 | 40° Mini EN ISO 20471 |
|------------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| 12° | 581 330 | 583 290 | 589 180 | 543 65 |
| 20° | 392 250 | 394 200 | 396 170 | 386 60 |
| 1° | 44 25 | 43 15 | 44 12 | 44 10 |
| 1°30' | 22 10 | 21 7 | 21 5 | 21 4 |

Values above are non-contractual.

Coefficient of Retroreflection $cd / (lx.m^2)$



SEW

- When two or several batches or fabric rolls are used on the same surface, it is important to check that the colour and the outward appearance are alike to ensure a similar colour and reflection during both day and night.
- To sew the RETHIOTEX® 30 100 fabric on any textile support, use a needle with rounded ends and sew at 2 mm from the edge, with around 4 points. We recommend the use of a 100% polyester thread.



SILK-PRINTING

- It is very easy to silk-print the RETHIOTEX® 30 100 fabric with bi-component opaque or transparent inks made from polyester.
- Given screens and drying methods implemented, we advise you to realise holding tests of inks before each production and modification of parameters.
- The ink adhesion can be easily checked by making some successive washing or a few grid patterns.

WARNING: Silk-printing involves a very important reduction of the power of reflection in concealed places.



PRESERVATION

- Store the fabric rolls in a dark and cool place and use them in the year following their reception. Fabric rolls have to be stored in their original boxes.



CARE

- The user of the RETHIOTEX® 30 100 reflective tape shall read the item's maintenance guide and ensure these instructions are respected for an optimal product's lifespan.



WARNING

- Our instructions are made according to precise and reliable criteria; however, given the diversity of the RETHIOTEX® product's applications, the buyer has to ensure the compatibility of the RETHIOTEX® product with the final project (manufacturing, design, environment in which it will be used...).
- Each certification can be modified from time to time.

For more information, feel free to contact us.



T2S - Z.I. La Vaure – B.P. 20930 – 42290 SORBIERS – France
Tel.: +33 4 77 53 97 59 – E-mail: info@t2s.fr

rethiotex.fr

