

COATS
terko satin



POLYESTER /
COTTON
CORESPUN GLACÉ

Coats® Terko Satin™

Coats Terko Satin is a cotton wrapped polyester corespun thread with a glacé finish. This thread combines the sewing performance and appearance of cotton with the superior strength and elongation characteristics of continuous filament polyester. The cotton wrap protects the polyester core from needle heat even in the most demanding of applications. The glacé finish is imparted through a special polishing process using a proprietary formulation. This finish binds together the fibrous surface of the thread and creates a lustrous finish to the thread with enhanced abrasion resistance.

WHY CHOOSE TERKO SATIN?

- Corespun thread that couples the high tenacity of a polyester filament core with a cotton wrap, delivering the sewing performance of a continuous filament thread, yet providing the appearance of cotton
- Polished through a specially-engineered process using a customised formulation to ensure that the fibres are held together during tough sewing operations, resulting in strong seams
- Meets Coats restricted substance list
- Cotton wrap protects the polyester core from needle heat generated during high speed sewing, thus preserving the thread's strength
- In wet, outdoor conditions, cotton wrap absorbs the water and swells to fill the needle holes completely to prevent leakage
- Controlled stretch characteristics yield excellent sewability with tight, firm stitches on multiple leather surfaces

MAIN USES:

- Leather garments
- Gloves and hand bags
- Wallets and purses
- Automotive interiors
- Travel goods
- Leather goods
- Sporting goods
- Saddlery and harness
- Protective footwear
- Technical textiles



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PRODUCT RANGE

Tex	Ticket	Ply	Strength cN	Elongation % Min - Max	Needle Size Metric
40	75	2	1810	17 - 23	90 - 100
60	50	3	2760	17 - 23	100 - 120
80	36	2	3650	20 - 26	110 - 130
90	30	2	3800	20 - 26	110 - 130
105	25	3	5230	19 - 25	120 - 140
150	20	4	6890	17 - 23	120 - 140
180	15	5	9310	20 - 26	130 - 160
180	16	3	8790	18 - 24	130 - 160
250	16 / 4	4	11880	19 - 25	130 - 160
210	12	2	10360	21 - 27	130 - 160
300	8	3	15390	22 - 28	160 - 200
400	6	4	21380	20 - 26	160 - 200
500	5	5	26600	24 - 30	180 - 220



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 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. © Copyright reserved 2019

THERMAL PROPERTIES

Polyester melts at 250 - 260°C, softens at 220 - 240°C

Cotton discolours after prolonged exposure to high temperatures

Thread shrinkage less than 1% @ 150°C

CHEMICAL PROPERTIES

Mineral acids: Polyester: is resistant to most mineral acids
Cotton: disintegrates in hot dilute and cold concentrated acids

Alkalis: Polyester: essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Cotton: swells in caustic, no appreciable strength loss

Organic solvents: Polyester: generally unaffected, but soluble in some phenolic compounds
Cotton: degraded by some solvents

Bleaching: Polyester: unaffected
Cotton: bleached by hypochlorite and peroxides

Insects / microorganisms (mildew, rot): Polyester: unaffected
Cotton: degrades but can be treated with special finishes

Moisture regain: Polyester: 0.4%, Cotton: 8%

FASTNESS PROPERTIES

Washing at 60°C (ISO 105 C10:2006 C(3)) Grade 4

Water Fastness (ISO 105 E01:2010) Grade 4

Rub Fastness (ISO 105 X12:2001) Grade 4

Hypochlorite Fastness (ISO 105 N01:1993) Grade 4

Dry Cleaning Fastness (ISO 105 D01:2010) Grade 4

Perspiration Fastness (ISO 105 E04:2009) Grade 4

Artificial Light Fastness (ISO 105 B02:1994) Grade 4



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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.



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.

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/terko-satin



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