

COATS
*dual duty
supercotton*



**POLYESTER
CORESPUN WITH
COTTON WRAP**

Coats Dual Duty Supercotton

Coats Dual Duty Supercotton is a premium quality corespun sewing thread for use in the manufacture of post dyed cotton garments. Post dyed cotton garments normally require a 100% cotton sewing thread. However, cotton threads have distinct drawbacks compared to corespun threads including: strength, elongation, shrinkage, sewing performance and abrasion resistance.

Dual Duty Supercotton is a highly engineered hybrid sewing thread designed to deliver the benefits of corespun threads coupled with the suitability of use in making post-dyed garments. The polyester filament core of Dual Duty Supercotton offers excellent strength and durability, while the higher percentage of long staple cotton wrap ensures optimal dye uptake and "hides" the polyester filament to avoid speckling effect in the sewn seam. Dual Duty Supercotton is a good choice for post-dyed garments where the end colour of the garment is known to some extent before the dyeing process.

WHY CHOOSE DUAL DUTY SUPERCOTTON?

- The high tenacity polyester core provides higher tenacity and elongation as well as lower shrinkage compared to 100% cotton threads leading to superior seam quality
- Special cotton wrap provides excellent dye uptake
- Unique corespun construction delivers enhanced sewing performance and abrasion resistance even compared to "premium" quality 100% cotton threads
- Specially formulated lubrication for low friction sewing

MAIN USES:

- Garment dyed jeans and denim wear
- All 100% cotton post dyed garments

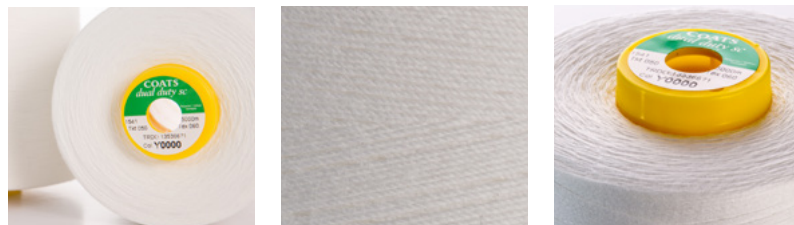


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PRODUCT RANGE

Art / Tkt	TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
1541 120	24	120	5,000m	710	16 - 22	75 - 90
1541 075	40	75	5,000m	1,050	16 - 22	90 - 100
1541 050	60	50	5,000m	1,810	16 - 22	100 - 120
1541 025	120	25	5,000m	2,990	12 - 18	120 - 140

Shade	Core colour	Wrap Colour	Wrap Colour
Shade Y000	Polyester core natural	Cotton wrap bleached	For light or very light (like white) garments
Shade 07CTT	Polyester core grey	Cotton wrap natural	For medium to dark colour garments
Shade 13CTT	Polyester core dark grey	Cotton wrap natural	For all kinds of jeans and denim wear



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

Laundering / dry cleaning: Unaffected

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 coats.com

OTHER PRODUCTS IN THE DUAL DUTY RANGE

To complement the Dual Duty range, we also have a selection of specialist Dual Duty threads. Each of these have additional benefits specific to the end use.

Product Name	Description
Dual Duty Multi	Attractive two coloured heather-effect or melange thread that is ideal for embroidery and decorative stitching on denim.
Dual Duty	Premium quality corespun thread which offers high strength and durability and is ideal for the manufacture of denim and jeans.
Dual Duty True Indigo	Durable corespun sewing thread that is dyed with natural indigo and fades during the denim wash process to give each garment a unique finish.

Specialist Dual Duty products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



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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 2018