



Coats® Ultra Dee™

Coats Ultra Dee is a sewing thread made from high tenacity continuous filament polyester with an innovative bonding technology. Coats Ultra Dee is specifically designed for demanding applications to deliver superior sewing performance for maximum productivity and excellent seam quality.

COATS

Ultra Dee™



CONTINUOUS FILAMENT
POLYESTER BONDED

2026

Why choose Ultra Dee™ ?

- Innovative bonding technology that safeguards against ply untwisting during the most demanding of sewing applications - no opening of plies with resultant broken/skipped stitches.
- 20 to 33% higher retained strength compared with standard lubricated sewing threads leading to less seam breaks.
- No bond shedding and resulting contamination of needles and sewn products.
- Soft and flexible thread for more balanced stitches.
- Strong ply-adhesion leading to a more defined stitch and superior seam appearance.
- Vibrant and rich colours which have only been achieved with lubricated threads in the past.
- Meets Coats restricted substance list.

Main Uses:

- Sports footwear
- Protective footwear
- Dress and casual footwear
- Automotive seat trims
- Outdoor goods
- Luggage and leather goods
- Upholstery and furniture
- General purpose marine applications





Product Range

Ticket	Tex	Ply	Average Strength cN	Elongation % Min - Max	Recommended Needle Size
60	45	2	3135	17 - 24	90 - 110
40	60	3	4530	15 - 21	100 - 120
30	80	3	5480	15 - 21	120 - 140
20	135	3	9140	16 - 22	130 - 160
18	165	3	10520	18 - 26	130 - 160
15	180	3	11910	18 - 26	140 - 160
12	240	3	16130	22 - 30	250 - 280
10 / 11	270	3	16450	22 - 30	250 - 280
8 / 9	350	3	19950	19 - 30	250 - 280
7	450	3	31065	15 - 30	280 - 300
6	500	6	37730	15 - 30	300 - 330

For marine and tough outdoor applications:

- UV-inhibitor filaments can be used in all sizes 220 denier and above
- Special finishes available such as anti-wick, high lubrication, flame retardant

Thermal Properties:

- Melting point 250 - 260°C

Chemical Properties

Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Excellent resistance

Fastness Properties

Washing at 60°C	ISO 105-C10 C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Rub Fastness	ISO 105-N01	Grade 4
Artificial Light Fastness	SAE J1885 40 KJ/m ²	Grade 4

These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels.





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.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

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

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

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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 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® is a registered trademark of J. & P. Coats, Limited. Ultra Dee™ is a trademark of J. & P. Coats, Limited. © Copyright reserved 2026.

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