



Coats® Gral™ AS

In drier atmospheric conditions the lower static and lower dynamic friction values of Gral AS minimise the attraction of down towards the needle, helping to prevent down leakage through needle holes.

The lower dynamic friction values of Gral AS also enhances the uniformity of the stitch formation providing neat, well balanced seams. The reduced frictional values also allow smoother thread pull off through the sewing machine helping to deliver longer lasting seams.

COATS

Gral™ AS



CONTINUOUS
FILAMENT POLYESTER

2026

Why choose Coats Gral™ AS?

- Creates a smoother, softer handle to the sewn seam when compared with conventional sewing threads
- Allows lower tension settings, improving the stitch balance and providing neater and flatter seams
- Excellent static and dynamic friction values reduce leakage of "down" through the needle hole
- Provides solutions for oil-sensitive materials such as CO fabrics
- Allows for improved sewing performance on complex materials due to its higher heat shield
- Provides outstanding sewability
- The reduced frictional values allow smoother thread pull off through the sewing machine helping to deliver longer lasting seams
- OEKO-TEX® STANDARD 100, Product Class I

Main Uses:

- Active wear
- Outdoor wear
- Jackets





Product Range

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size
13SK200	200	12	3,000M	920	16 - 22	65 - 75
13SK180	180	14	3,000M	920	17 - 24	65 - 75
13SK120	120	21	3,000M	1,420	16 - 24	75 - 90
13SK080	080	35	3,000M	2,170	16 - 22	75 - 90

Fastness Properties

Washing Fastness 60°C	ISO 105-C10 C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Rub Fastness	ISO 105-X12	Grade 4
Hypochlorite Fastness	ISO 105-N01	Grade 4
Dry Cleaning Fastness	ISO 105-D01	Grade 4
Perspiration Fastness	ISO 105-E04	Grade 4
Artificial Light Fastness	ISO 105-B02	Grade 4

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:	Unaffected
Insects / microorganisms: (mildew, rot)	Unaffected
Laundrying / dry cleaning:	Unaffected
Moisture regain:	0.4%





Expert Real World Support

To drive your hidden costs down, talk to Coats. From thread audits in preproduction 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



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.

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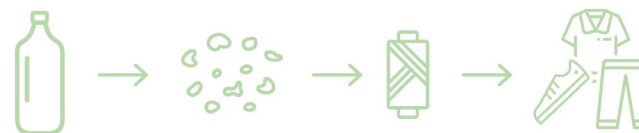


Introducing Coats EcoVerde

COATS EcoVerde™

The first globally available 100% recycled line of GRS certified sewing threads. Coats EcoVerde delivers the same proven level of performance as the industry's leading non-recycled threads, but with a drastically reduced carbon footprint.

Ask Coats today about Coats EcoVerde Gral AS.
www.coats.com



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. Gral™ is trademark of J. & P. Coats, Limited. © Copyright reserved 2026.

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