

BEDDING & MATTRESS



CONNECTING. PIONEERING. TRUSTED.



COATS FOR BEDDING & MATTRESSES

Coats offers customised threads for every sewing operation in mattress manufacturing. Whether it is a quilting thread or an aramid thread for tape-edging that meets the latest flame retardency stipulations, we can provide the right solutions when manufacturing mattresses, bedding and quilting. Our products are specifically developed in close collaboration with mattress and bedding manufactures to deliver maximum productivity and superior quality of seams in the finished product.

Coats is the world’s leading industrial thread company. Headquartered in the UK, we have a presence in over 100 countries and digital platforms enable us to serve customers wherever they are located.

With over 18,500 people across six continents, and at home in some 50 countires, Coats has an unrivaled global footprint. With sales across 100 countries to 40,000 customers global, Coats is built of a heritage of 250 years experience in textiles.

In 2019, our group revenue was \$1,389 million.

RECOMMENDED THREAD TYPES FOR SEWING APPLICATIONS

	Multi-needle quilting chainstitch	Multi-needle quilting lockstitch	Single-needle quilting lockstitch	Serging	Tape edging chainstitch	Tape edging lockstitch	Label sewing	Pocket spring bag	Border sewing
Top thread									
Gral/Gral Quilting	•	•	•	•			•		•
Gral AS	•	•							
Epic/Epic HL	•	•	•	•	•	•	•		•
Epic AS	•	•	•						
Dual Duty/ Dual Duty HL	•	•	•	•	•	•	•		•
Protos Fil					•	•			
Protos Plus					•	•			
Nylbond								•	
Dabond								•	
Bottom thread									
Gral/Gral Quilting	•			•					•
Gral AS	•								
Gramax	•			•					
Epic/Epic HL	•		•	•	•	•	•		•
Dual Duty/ Dual Duty HL	•		•	•	•	•	•		•
Protos Fil					•	•			
Protos Plus					•	•			
Hembob		•	•						
Cocoons		•							
Nylbond								•	
Dabond								•	





COATS THREAD FOR BEDDING & MATTRESSES

FOR MAXIMUM PRODUCTIVITY AND OUTSTANDING SEWING PERFORMANCE.



Coats Gral / Coats Gral Quilting

Gral is a lubricated polyester thread made from pre-stabilised high tenacity continuous filament polyester. The soft finish with superior low friction lubrication reduces the effects of needle heat and abrasion. Coats Gral exhibits excellent loop formation, consistent stitch formation and neat seam appearance.



Coats Gral AS

Gral AS is a 100% polyester continuous filament sewing thread with a smooth surface, creating a clean seam appearance. 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.



Coats Gramax

Gramax is a 100% polyester continuous filament textured thread. The textured filaments give the thread a soft feel and make it ideal for use in the loopers of overlocking, serging and cover seaming to provide softness and comfort.



Coats Epic / Epic HL

Epic is a versatile quality polyester corespun thread that can be used in many different applications and in a wide range of fabrics from delicate silks to robust denims and high tech performance materials; at all times ensuring excellent stitch formation and good looking seam appearance.



Coats Epic AS

Epic AS is a highly versatile sewing thread made from 100% polyester. The construction of the thread, with the continuous filament polyester core and soft staple polyester wrap, delivers high seam strength, excellent performance and static together with dynamic friction values which reduce leakage of down through the needle hole.



Coats Dual Duty / Dual Duty HL

Dual Duty is a premium quality corespun thread that combines a high tenacity polyester filament core with a natural cotton cover. The filament core offers excellent strength and durability, while the long staple cotton wrap protects the core from needle heat and ensures excellent sewing performance.



Coats Protos Plus

Protos Plus is a 100% staple spun para-aramid sewing thread specifically developed to meet the exacting fire retardant and retained strength standards in all demanding areas. Coats Protos Plus para-aramid thread is stronger than steel and is used for tape edge sewing in flame retardant mattresses.

COATS THREAD FOR BEDDING & MATTRESSES CONTINUED



Coats® Gral™ AST
Coats Gral AST Anti-static is a lubricated polyester thread made from pre-stabilised high tenacity continuous filament polyester in combination with a conductive material, designed for use in applications where electrostatic charge is a problem.



Coats® Gral™ Antiwick (AWF)
Gral AWF is a 100% polyester continuous filament with an especially smooth surface and clean seam appearance. The PFC-free anti-wick finish inhibits the capillary effect, thereby ensuring that no water is taken up by the thread. Coats anti-wick PFC-free threads are the very best thread choice for no-compromise, premium water-resistant seams.

Coats Hembob
Real length ready wound bobbins, high yield and ready to use, precision wound for consistent pull out, increases productivity.

Coats Cocoons
Cocoons is a range made of high performance threads, specially engineered for a variety of high speed sewing operations that are used in the mattress industry. Coats Barbour Cocoons bring to you the wide range of sizes and styles in cocoon bobbins that give unequalled productivity with unsurpassed reputation over years.



In our ongoing commitment to sustainability and environmental stewardship, our EcoVerde line has received the stringent Global Recycled Standard (GRS) certification. This validates that EcoVerde threads are made from 100% industrial and post-consumer waste and are finished and dyed using environmentally friendly production methods.



Coats® Epic™ EcoVerde
Epic EcoVerde is a 100% recycled premium polyester corespun sewing thread that has been precisely engineered to create durable, attractive seams across a wide range of recycled fabrics and materials.



Coats® Gramax™ EcoVerde
Gramax EcoVerde is a 100% recycled polyester continuous filament textured thread. The textured filaments give the thread a soft feel and make it ideal for use in the loopers of overlocking, serging and cover seaming.



Coats® Gral™ EcoVerde
Coats GRAL EcoVerde is a 100% recycled polyester continuous filament thread offering the same proven levels of performance as the industry's leading non-recycled threads. It consists entirely of recycled plastic fibres so has a significantly lower carbon footprint than virgin fibres.



MATTRESS TAPES

Coats MatTape is a premium mattress tape range used to enhance quality and appearance of the mattress. Coats MatTape provides the best edge trimming for mattresses by keeping mattress panels

strongly bound and hiding edges. It can also be used for decorative purpose around the middle of side panels or as handle tape to transport the mattress

TRIMS

Coats Connect Standard - hook and loop fasteners in 100% polyamide woven fabric designed for a multitude of applications in the apparel, footwear, furniture, mattress, medical or automotive industries.

ZIPPS



Opti S
The strongest, slender, spiral zips manufactured using the unique ‘S’-technology, the core of which is in one step production of the textile tape combined with only one weaving operation, where high quality fibres are interwoven whilst inserting the spiral.

Opti Interchangeable zips
A mattress with interchangeable zips can be connected alternatively between different covers, for example a summer ? winter cover. The exchangeability makes it possible to assemble the different zip halves together. Interchangeable zips on covers are well suited to hospital beds, where laundry is done on a daily basis. The cover is washable as half the cover fits into 2.5kg standard washing machine.



Opti P
Zips with plastic moulded teeth produced casting under pressure of each separate tooth directly on the already woven and dyed textile tape. Teeth are injected on strictly defined intervals, depending on their size.





PRODUCT RANGE

Product	Tex	Ticket	Strength CN	Elongation min (%)	Elongation max (%)
Gral	35	80	2170	16	22
Gral	40	60	2620	16	22
Gral	50	50	3260	16	22
Gral	60	40	4230	17	22
Gral	80	30	5200	17	22
Gral	105	25	6340	17	22
Gral	135	20	8360	18	24
Gral	180	15	11400	22	30
Gral	270	10	16630	20	34
Gral	450	6	29740	20	34
Epic / Epic HL	24	120	1190	17	22
Epic / Epic HL	40	80	1960	18	24
Epic / Epic HL	60	50	3530	18	25
Epic / Epic HL	80	40	3940	18	25
Epic / Epic HL	105	30	4790	18	25

Product	Tex	Ticket	Strength CN	Elongation min (%)	Elongation max (%)
Gramax	18	160	620	20	32
Gramax	21	110	810	18	32
Gramax	35	80	1270	20	32
Gramax	35	80	1270	20	32
Dual Duty/ Dual Duty HL	24	120	1040	18	22
Dual Duty/ Dual Duty HL	40	75	1860	18	24
Dual Duty/ Dual Duty HL	60	50	3040	18	24
Dual Duty/ Dual Duty HL	80	36	3530	18	24
Dual Duty/ Dual Duty HL	105	30	3720	18	24
Protos Plus	40	70	4900	3	5
Protos Plus	60	50	8000	3	5
Protos Plus	80	35	10600	3	5
Protos FIL	90	30	18000	3	5
Protos FIL	135	20	27000	3	5

Product	Description	Tex	Ticket	Strength CN	Elongation min (%)	Elongation max (%)
Hembobs	Continuous Filament Nylon	24	120	1440	20	32
		35	80	2160	15	26
		45	60	3210	16	29
Cocoons	CFP	14	180	920	17	21
	CFP	21	150	1330	15	23
	PPC	24	120	1190	17	22
Nymo	Nylon monocord	70	41	4730	19	30
Polymatic	Polyester monocord	45	60	3530	17	35



COATS BEDDING EXPERTISE

PIONEERING BEDDING SOLUTIONS

With our global expertise, innovative solutions and technical support, Coats can help you meet your needs now and in the future. Whether it is quilting and sewing threads for high speed, demanding sewing operations, high quality mattress tapes and trims or zips, we offer a comprehensive range of products that will enhance the quality of the bedding products you produce.

