

# Coats® Epic™ ProtectV

powered by HeiQ Viroblock

Coats Epic ProtectV powered by HeiQ Viroblock is a premium quality polyester corespun sewing thread treated with HeiQ Viroblock technology. HeiQ Viroblock is a patent-pending textile technology that combines HeiQ's specially engineered silver technology and a vesicle technology.

Epic ProtectV powered by HeiQ Viroblock combines enhanced protection with the advantages of a superior corespun thread. This polyester-wrapped thread with a polyester filament core provides maximum tenacity and excellent sewing performance where good appearance, fineness and high seam strength are required. It is specially finished to deliver outstanding sewing performance in the most demanding applications with the added benefit of self sanitising properties.

COATS  
*epic protectV*



POWERED BY  
HEIQ  
VIROBLOCK

## WHY CHOOSE COATS EPIC PROTECTV?

- Powered by HeiQ Viroblock technology, an innovative Swiss technology that combines advanced silver based on recycled silver and vesicle technology based on cosmetic grade liposome
- Specially finished to deliver outstanding sewing performance in the most demanding applications with the added benefit of self-sanitising properties
- Epic ProtectV is non-toxic and hypoallergenic
- The high strength polyester filament core allows the use of finer thread sizes, giving better seam appearance without compromising seam strength
- Excellent abrasion resistance

## MAIN USES:

- Face coverings
- Medical PPE
- Industrial PPE
- Consumer PPE
- Medical light mattresses
- Medical supports
- Medical / hospital gowns
- Gloves
- Apparel garments
- Sports apparel
- Uniforms
- Workwear
- Tents
- Backpacks



# Coats Epic ProtectV



## PRODUCT RANGE

Art/Tkt	Tex	Ticket	Length	Ply	Strength cN	Elongation % Min - Max	Needle Size Metric
AV75120	24	120	5000 m	2	1190	17 - 22	70 - 90
AV75100	30	100	5000 m	2	1490	17 - 22	75 - 90
AV75080	40	80	5000 m	3	1960	18 - 24	75 - 90

## THEMAL PROPERTIES

Melts at 250 - 260°C, softens at 220 - 240°C

Shrinkage less than 1% @ 150°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:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Laundering / dry cleaning:	Unaffected
Moisture regain:	0.4%

## FASTNESS PROPERTIES

Wash fastness	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

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



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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 technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [www.coats.com](http://www.coats.com)

## OTHER PRODUCTS IN THE EPIC RANGE

To complement the Epic range, we also have a selection of specialist Epic threads. Each of these combines the superior properties of the Epic product with additional benefits specific to the end use.

Product Name	Description
Epic	High quality, polyester corespun that is precisely engineered to create durable, attractive seams on a wide range of fabrics across many applications
Epic AS	Range of threads designed for outdoor wear and engineered to provide excellent static and dynamic friction values which reduce leakage of 'down' through the needle hole.
Epic AWF	Free of perfluorinated compounds (PFCs), an environmentally friendly, anti-wicking thread for water-resistant outdoor wear and workwear.
Epic RD	Polyester corespun thread which delivers passive flame retardant properties, produced to conform to Nightwear Safety Regulations making it an ideal choice for children's nightwear.
Epic Metallic	Pick-and-mix colour range of metallised yarn and polyester thread to sew decorative stitching on denim.
Epic Multicolour	A pure polyester thread that is a part of the flagship Epic range of threads and gives each garment a truly unique finish.
Epic Rugged	High-tech thread which combines the strength, performance and superior properties of Epic with bleach-fastness for a thread that can withstand denim wash processes.
Epic SIF	Polyester covered corespun thread that is free from silicone and ideal for filtration needs within the automotive industry.
Epic Supermax	Ultimate sewing thread for smooth, premium-looking seams on fine tailoring and high quality garments.
Epic Verifi	Versatile quality polyester corespun sewing thread with an embedded security system.
Epic Protect	Premium sewing treated with an innovative process to give the finished thread anti-microbial properties.
Epic Liquifense	A high-tech 100% polyester corespun thread that inhibits fluid penetration through sewn seams.

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

