

Coats® Opti S Protect™

The anti-microbial finish of Opti S Protect enhances the protection against microbes and creates a "zone of inhibition" that prevents the growth of odour and stain-causing bacteria around the zip.

It is specifically designed to fight mould and mildew

COATS
opti s protect



ANTI-MICROBIAL
SPIRAL ZIP

WHY CHOOSE OPTI S PROTECT?

- Enhances protection against microbes
- Helps prevent product deterioration
- Fights mould and mildew
- Stain resistant
- Inhibits bacteria that causes odour
- No residue
- Provides peace of mind while boosting product quality

MAIN USES:

- Medical
- Military
- Sports
- Outdoor
- Footwear



Coats Opti S Protect

PRODUCT RANGE DIMENSIONS

Product	Chain Width	Chain Thickness	Single Tape Widths	Length of Tape Ends
S40 (#3)- Continuous Chain (CC)	4mm	1.5mm	12/16mm	-
S40 (#3)- Closed End (CE)				top: 20±4 mm bottom:16±4mm
S40 (#3)- Two Way Closed End X-Form (2WCE X)				Top: 18±4 mm bottom:18±4mm
S40 (#3)-Two Way Closed End O-Form _2WCE O)				top: 18±4 mm bottom:18±4mm
S60 (#3)- Continuous Chain (CC)	6mm	1.9mm	16/21mm	-
S60 (#3)- Closed End (CE)				top: 21±2 mm bottom:21±2mm
S60 (#5)- Open End (OE)				top: 21±2 mm
S60 (#5)- Two way open end (TWOE)				top: 21±2 mm
S60 (#3)- Two Way Closed End X-Form (2WCE X)				top: 21±2 mm bottom:21±2mm
S60 (#3)-Two Way Closed End O-Form _2WCE O)				top: 21±2 mm bottom:21±2mm
S80 (#8)- Continuous Chain (CC)	8mm	2.3mm	17/19mm	-
S80 (#8)- Closed End (CE)				top: 30±2 mm bottom:30±2mm
S80 (#8)- Open End (OE)				top: 30±2 mm
S80 (#8)- Two way open end (TWOE)				top: 30±2 mm
S80 (#8)- Two Way Closed End X-Form (2WCE X)				top: 30±2 mm bottom:30±2mm
S80 (#8)-Two Way Closed End O-Form (2WCE O)				top: 30±2 mm bottom:30±2mm



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 2019



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FASTNESS PROPERTIES

Washing 60° C	(ISO 105-C06)	4
Water	(ISO 105-E01)	4
Dry-cleaning	(ISO 105-D01)	4
Light	(ISO 105-B02)	5
Rubbing wet	(ISO 105-X12)	
Rubbing dry	(ISO 105-X12)	

STANDARDS

EN 16732 – class B	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1	QM System according BS EN ISO 9001:2008

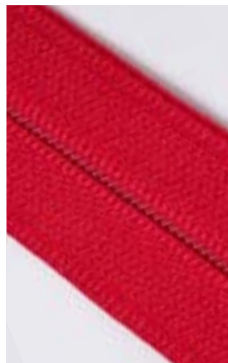
Real World Support & disclaimer Recommendations

Before proceeding to bulk production, Coats Opti recommends that you run tests and production trials on all zip uses/applications in order to verify that the product meets the end user requirements as well as the demands of internal processing conditions.



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SPIRAL ZIP

TAPE OPTIONS



Opti S Regular
Reversed



Opti S EcoVerde



Opti S StitchLine

FEATURES

Meets anti-bacterial testing per AATCC TM100

Tested to be effective up to 25 laundry and wash cycles (per AATCC TM150)

Passes anti-fungal test ASTM G21

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S40: FEATURES

	S40 CC	S40 CE	S40 2WCE X-form	S40 2WCE O-form
Woven polyester tape; available also in water repellent and flame retardant finish.	X	X	X	X
Slider body & Puller material - die casted zinc, puller also available in Stamped / Pressed Steel and Brass.	-	X	X	X
Top stops and bottom stops can be metal or ultrasonically welded	-	X	X	X

S40: QUALITY

Attributes	S40 CC	S40 CE	S40 2WCE X-form	S40 2WCE O-form
Lateral strength	> 392 N	> 392 N	> 392 N	> 392 N
Lateral strength after reciprocation	> 353 N	> 353 N	> 353 N	> 353 N
Operating force	< 4 N	< 4 N	< 4 N	< 4 N
Reciprocation (durability)	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles
Pull off strength of puller	-	> 90 N	> 90 N	> 90 N
Slider locking strength	-	> 20 N	> 20 N	> 20 N
Slider over top stops	-	> 78 N	> 78 N	-
Lateral strength of bottom stop	-	> 78 N	-	> 78 N
Slider against bottom stop	-	> 60 N	-	> 60 N

(The quality data represent minimum performance levels)

S40: MAIN USES

Workwear

Bed linen

PPE



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S60: FEATURES

	S60 CC	S60 CE	S60 OE	S60 2WOE	S60 2WCE X-form	S60 2WOE
Woven polyester tape; available also in water repellent and flame retardant finish.	X	X	With marking points, interchangeable, 0 distance; Picta printing	X	X	X
Slider body and puller out of die casted zinc.	-	X	X	X	X	X
Top stops and bottom stops-metal pin or plastic	-		X	X	X	X
Open end components out of zinc	-		X	X	-	

S60: QUALITY

Attributes	S60 CC	S60 CE	S60 OE	S60 2WOE	S60 2WCE X-form	S60 2WOE
Lateral strength	> 783 N	> 783 N	> 783 N	> 783 N	> 783 N	> 783 N
Lateral strength after reciprocation	> 705 N	> 705 N	> 705 N	> 705 N	> 705 N	> 705 N
Operating force	< 4 N	< 4 N	< 4 N	< 4 N	< 4 N	< 4 N
Reciprocation (durability)	> 3000 cycles	> 3000 cycles	> 3000 cycles	> 3000 cycles	> 3000 cycles	> 3000 cycles
Pull off strength of puller	-	> 245 N	> 245 N	> 245 N	> 245 N	> 245 N
Slider locking strength	-	> 49 N	> 49 N	> 49 N	> 49 N	> 49 N
Slider over top stops	-	> 117 N	> 117 N	> 117 N	> 117 N	> 117 N
Lateral strength of bottom stop	-	> 120 N	-	-	-	> 120 N
Lateral strength of open end	-	-	> 117 N	-	-	-
Slider over bottom stop	-	> 117 N	-	> 90 N	-	-
Box pull off strength	-	-	98 N	> 98 N	-	-

(The quality data represent minimum performance levels)



S60: MAIN USES

Workwear	Outdoor gear	Military	PPE
Backpacks	Hospital Mattress	Marine Furniture	Footwear
Tents			



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S80: FEATURES

	S80 CC	S80 CE	S80 OE	S80 TWOE	S80 TWCE X-form	S80 2WCE O-form
Woven polyester tape; Also available in Water Repellent and Flame retardant finish	X	X	X	X	X	X
Slider body out of die casted zinc, puller out of zinc	-	X	X	X	X	X
Top stops and bottom stop - metal	-	X	X	X	X	X

S80: QUALITY

Attributes	S80 CC	S80 CE	S80 OE	S80 TWOE	S80 TWCE X-form	S80 2WCE O-form
Lateral strength	> 832 N	> 832 N	> 832 N	> 832 N	> 832 N	> 832 N
Lateral strength after reciprocation	> 749 N	> 749 N	> 749 N	> 749 N	> 749 N	> 749 N
Operating force	< 5 N	< 5 N	< 5 N	< 5 N	< 5 N	< 5 N
Reciprocation (durability)	> 3000 cycles	> 3000 cycles	> 3000 cycles	> 3000 cycles	> 3000 cycles	> 3000 cycles
Pull off strength of puller	-	> 294 N	> 294 N	> 294 N	> 294 N	> 294 N
Slider locking strength	-	> 78 N	> 78 N	> 78 N	> 78 N	> 78 N
Slider over top stops	-	> 147 N	> 147 N	> 147 N	> 147 N	-
Lateral strength of bottom stop	-	> 140 N	-	> 147 N	-	> 140 N
Lateral strength of open end	-	-	> 176 N	-	-	-
Slider against bottom stop	-	> 176 N	-	> 120 N	-	> 176 N
Box pull off strength	-	-	> 147 N	-	-	-

(The quality data represent minimum performance levels)



S80: MAIN USES

Workwear	Outdoor gear	Military	Backpacks
Hospital mattresses	Marine Furniture	Footwear	Tents



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EXPERT REAL WORLD SUPPORT

The final cost of any product 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.



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 product selection 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.



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 product 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 [coats.com/en/Products/Zips/Opti-S/Opti-S-Protect](https://www.coats.com/en/Products/Zips/Opti-S/Opti-S-Protect)

CARE INSTRUCTIONS



Domestic washing at 40 °



Dry cleaning standard



Never iron the zipper directly on the teeth - maximum ironing temperature one point (130-150 °)



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