
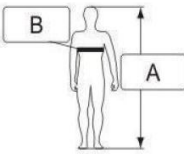


<b>Item name:</b>	VWJK44	<b>Picture</b> 
<b>Fabric:</b>	<b>Outer jacket:</b> 100% polyester 300D PU coated, 180g/sm <b>Inner bodywarmer:</b> 100% polyester 300D PU coated, 180g/sm	
<b>Lining:</b>	<b>Outer jacket:</b> 100% polyester taffeta 190T, HV color, 50g/sm <b>Inner bodywarmer:</b> 100% polyester fleece, 280g, HV and navy color,	
<b>Reflective fabric:</b>	Backing: 65% polyester 35% cotton, with coating (glass micro-beads), 2" Washing at 40°C cycles 25, dry cleaning cycles 5	
<b>Color:</b>	Hi visibility yellow/Navy; Hi visibility orange/Navy	
<b>Features:</b>	Waterproof taped seams. Studded front flap, concealed hood. One cellphone pocket, zipped Napoleon pocket. Two lower patch pockets with side entries. 5 flexible configurations to fit any weather situation.	

### Size guide(cm)

	Garment Size (Tol.+3/-2) cm	<b>S</b>	<b>M</b>	<b>L</b>	<b>XL</b>	<b>2XL</b>	<b>3XL</b>	<b>4XL</b>	<b>5XL</b>
	A. to fit body length(cm)	156-164	164-172	172-180	180-188	188-196	196-204	196-204	196-204
	B. to fit chest width(cm)	86-94	94-102	102-110	110-118	118-129	129-141	141-153	153-165

**Washing instruction:** 




**Packing:** 1pc in polybag with EAN code sticker, 10pcs in each carton.  
Size: S-M:63\*44\*46cm, L-XL:66\*45\*46cm, 2XL-3XL:74\*46\*48cm


### Certification

**Fabric:** EN ISO 20471:2013+A1:2016 ; EN343:2003+A1:2007 Class 3 1

**Reflective Tape:** EN ISO20471:2013

### Garment:


<b>Outer jacket</b> 	Performance class of garment	Class			Classification
	Minimum materials	<b>3</b>	<b>2</b>	<b>1</b>	<b>EN ISO 20471:2013+A1:2016 Class 3</b>
	Background material(m2)	0.8	0.5	0.14	
	Retroreflective material(m2)	0.2	0.13	0.1	
<b>Inner jacket with sleeves</b> 	Performance class of garment	Class			Classification
	Minimum materials	<b>3</b>	<b>2</b>	<b>1</b>	<b>EN ISO 20471:2013+A1:2016 Class 3</b>
	Background material(m2)	0.8	0.5	0.14	
	Retroreflective material(m2)	0.2	0.13	0.1	
<b>Inner jacket without sleeves</b> 	Performance class of garment	Class			Classification
	Minimum materials	<b>3</b>	<b>2</b>	<b>1</b>	<b>EN ISO 20471:2013+A1:2016 Class 2</b>
	Background material(m2)	0.8	0.5	0.14	
	Retroreflective material(m2)	0.2	0.13	0.1	

	Resistance to water penetration	Class			Classification
	Test to be made	1	2	3	<b>EN343:2003+A1:2007 Class 3</b>
	Before pretreatment	wp≥8000pa	no test	no test	
	Seams before pretreatment	wp>8000pa	wp≥8000pa	wp≥13000pa	
	After every pretreatment	no test	wp>8000pa	wp≥13000pa	
	Water vapour resistance	Class			Classification
		1	2	3	<b>EN343:2003+A1:2007 Class 1</b>
$R_{et}$ (m <sup>2</sup> .Pa/w)	$R_{et}>40$	$20<R_{et}≤40$	$Ret≤20$		

**RIS-3279-TOM Orange Only**

The RIS-3279-TOM standard is based on the European standard EN ISO 20471:2013+A1:2016. It requires garments to meet at least class 2 (the mid-point of a 3-class scale) of EN ISO 20471:2013+A1:2016 for the minimum area of high visibility materials used within a garment. Whereas the European standard permits several different colours of high visibility materials, the railway standard specifies an orange colour.

EN342:2017

 0.3534m<sup>2</sup> K/W  
With inner jacket and trouser VWJK187  
3  
WP

**Table C.1 Resultant effective thermal insulation of clothing  $I_{cler}$  and ambient temperature conditions for heat balance at different durations of exposure**

Insulation $I_{cler}$ m <sup>2</sup> .K/W	Wearer standing, 75 W/m <sup>2</sup>			
	Air velocity			
	0,4 m/s		3 m/s	
	8 h	1 h	8 h	1 h
0,265	13	0	19	7
0,310	10	-4	17	3
0,390	5	-12	13	-3
0,470	0	-20	7	-9
0,540	-5	-26	4	-14
0,620	-10	-32	0	-20

**Table C.2 Resultant effective thermal insulation of clothing  $I_{cler}$  and ambient temperature conditions for heat balance at different activity levels and durations of exposure**

Insulation $I_{cler}$ m <sup>2</sup> .K/W	Wearer moving activity								
	light 115 W/m <sup>2</sup>				medium 170 W/m <sup>2</sup>				
	Air velocity								
	0,4 m/s				3 m/s				
	8 h	1 h	8 h	1 h	8 h	1 h	8 h	1 h	
0,265	3	-12		9	-3	-12	-28	-2	-16
0,310	-2	-18		6	-8	-18	-36	-7	-22
0,390	-9	-28		0	-16	-29	-49	-16	-33
0,470	-17	-38		-6	-24	-40	-60	-24	-43
0,540	-24	-45		-11	-30	-49	-71	-32	-52
0,620	-31	-55		-17	-38	-60	-84	-40	-61

NOTE 2 Performance of a clothing ensemble or garment in terms of preserving heat balance at normal body temperature depends on internal body heat production. Therefore the protection level of a clothing ensemble or garment is evaluated by comparing its measured insulation value and the calculated required insulation value.

This product has been certified by Finnish Institute of Occupational Health (FIOH) , Notified body:0403, in accordance with the EU type-examination (Module B )of PPE Regulation (EU) 2016/425.To comply with the standards:

EN ISO 13688 :2013

EN ISO 20471:2013

EN ISO 20471:2013+A1:2016

Class 3 for outer jacket

Class 3 for the inner jacket with sleeves

Class 2 for the inner jacket without sleeves

EN343: 2003+A1:2007 3/1

RIS-3279-TOM(Orange Only)

EN 342:2017: 0.353 m<sup>2</sup>K/W(B) with inner jacket and padded trouser VWJK187, X, 3, WP

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