

Reflecting garments are not just ordinary workwear!

The most important function of reflecting garments is to increase the security for those who work in environments where it is important to be easily spotted. To minimise the risk of accidents is the highest priority, but the garments must also look good and be functional in different working environments. On these pages you can study the complete Björnkädder collection of reflecting garments in several different colour sets - make sure you are seen on the job!



EN 471 Protective clothing with high visibility (Hi-vis clothing) for professional use

Certified hi-vis garments are regulated by many requirements in the norm EN 471. Some are fluorescent and reflective area, luminance and colourfastness. Relatively strict design requirements and placement of reflexes are also regulated. Beside the symbol safety classifications 1-3 is visible regarding area and reflex material, where 3 is the highest security class. Certified garments may be fluorescent yellow, orange or red with regulated luminance, i.e. visibility. Important fabric values are colourfastness and damp resistance for coated fabrics.

Minimum area requirement for EN 471 certification

Material	Class 1	Class 2	Class 3
Reflecting material / fluorescent area	0,14 m ²	0,50 m ²	0,80 m ²
Reflex	0,10 m ²	0,13 m ²	0,20 m ²
Combined background/reflex	0,20 m ²	---	---

Are you required to always wear class 3?

Then note that 1 + 2 is not always equal to 3. Check the garment table to ensure that your favourite garment combination fulfills your requirements. Note that it is the fluorescent area that determines what protection you have. If you for example wear an ordinary coat covering parts of the fluorescent areas on your trousers, the level of protection decreases. If you have decals on your garments, note that they may affect the fluorescent area. If you put the decal on a non-fluorescent area, it of course does not effect the requirement fulfilment.

Remember to:

- * Keep your garments clean - you are easier seen and look better!
- * Wash your reflecting garments separately or with other reflecting garments of similar colours. Follow the washing instructions placed on the garments. Avoid bleach. Close zippers and wash inside out.
- * If the garment needs repairing - use only materials, which at least fulfill the same standard as the garment.

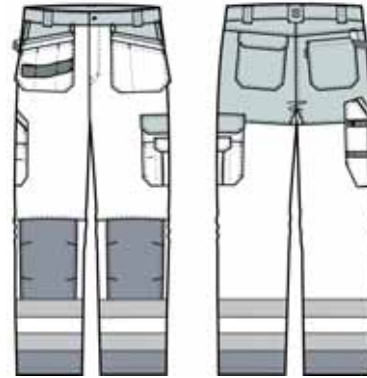


Information about hi-vis garments

Type	Ordernumber	Class	Smallest size	Background material measured area	Reflex measured area	Decal size 5x30cm = 0.015
Hi-vis						
Shorts	031 00 3511	2	44	0,50	0,13	
	031 00 3518					
Shorts, tool pockets	032 00 3511	2	44	0,50	0,13	
	032 00 3518					
T-shirt	053 07 9511	3	M	0,81	0,20	0,007
	053 07 9518					
Polo shirt	054 07 9511	3	M	0,81	0,20	0,007
	054 07 9518					
Sweatshirt	055 07 9811	3	S	0,8	0,20	0,005
	055 07 9818					
Bib dungarees	120 ON 3511	2	46	0,84	0,13	0,34
	120 OX 3511					
	120 OZ 3518					
Trousers	257 ON 3511	2	46	0,52	0,14	0,02
	257 OX 3511					
	257 OZ 3518					
Tool pocket trousers	258 ON 3511	2	46	0,59	0,14	0,09
	258 OX 3511					
	258 OZ 3518					
Trousers,	663 00 1311	1	46	0,25	0,10	0,11
Tool pocket trousers, high water	672 07 3511	2	44	0,55	0,13	0,05
	672 07 3518					
Tool pocket vest	448 00 3511	2	M	0,51	0,17	0,013
Jacket	782 ON 3511	3	S	0,82	0,20	0,02
	782 OX 3511					
	782 OZ 3518					
Jacket	785 00 3511	3	S	1,07	0,20	0,27
Jacket, fleece	925 07 9711	3	XS	0,87	0,20	0,07
	925 07 9718					
Jacket, soft shell	932 07 6111	3	XS	0,87	0,20	0,07
	932 07 6118					
Hi-vis, function						
Trousers, shell	298 00 6611	2	XS	0,89	0,14	0,39
	298 00 6618					
Jacket, shell	734 00 6611	3	XS	1,02	0,21	0,22
	734 00 6618					
Parka, insulated	735 00 6611	3	XS	1,17	0,23	0,37
	735 00 6618					
Hi-vis, winter						
Trousers	281 ON 6511	2	S	0,65	0,14	0,15
	281 OX 6511					
	281 OZ 6518					
Jacket, parka	746 ON 6511	3	S	0,96	0,22	0,16
	746 OX 6511					
	746 OZ 6518					
Jacket, lumber	798 ON 6511	3	S	0,86	0,21	0,06
	798 OX 6511					
	798 OZ 6518					
Jacket, lumber - removable sleeve	799 OX 6511	3	S	1,04	0,23	0,24
Jacket, lumber - no sleeves = vest		2	S	0,56	0,14	0,06
Flame - Hi-vis						
Tool pocket trousers	204 07 6011	2	44	0,52	0,13	0,02
	204 07 6211					
Trousers, welding,	205 17 6269	2	44	0,54	0,13	0,04
Tool pocket trousers,	208 17 6269	1	44	0,14	0,11	no print on HiVis
Jacket, welding	772 17 6211	2	XS	0,75	0,19	0,25
	772 17 6211	3	S	0,83	0,20	0,03
Jacket	779 17 6011	2	XS	0,71	0,13	0,21
	779 17 6011	3	S	0,81	0,20	0,01
	779 17 6211	2	XS	0,71	0,13	0,21
	779 17 6211	3	S	0,81	0,20	0,01
Overall	847 07 6269	1	44	0,46	0,27	0,32
Flame - Hi-vis, winter						
Trousers	223 08 7811	2	XS	0,55	0,13	0,05
Parka	765 07 7869	1	XS	0,38	0,16	0,24
Jacket	767 08 7811	3	XS	0,82	0,22	0,02
Parka	768 08 7811	3	XS	0,82	0,22	0,02



CE EN 471
Class 2



Toolpocket trousers class 2

Same perfect fit as our successful Jubilee Carpenter trousers. D-rings and smart solutions for your keys. An ID card holder is placed under one of the tool pockets. Ruler pocket and mobile phone pocket are where you need them. Inside knee-pockets. The trousers are reinforced with polyamide on knees and furthest down. Use approved long kneepads, order no: 972 294, 972 290 or 972 292.

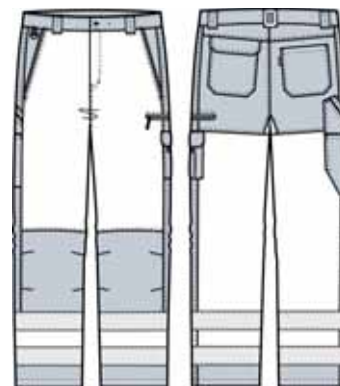
Size: 46 - 62, 96 - 120, 146 - 156
CE: EN471-2

OrderNo: 2580N3511 Yellow/grey
2580X3511 Yellow/navy
2580Z3518 Orange/black

Fabric description

Our hi-vis collection is made of an easy-care material with dirt-repellent abilities. The composition of the hi-vis fabric is 80% polyester, 20% cotton with a weight of 250 g/m². Non-hi-vis is made of 65% polyester/35% cotton, weight 300 g/m².

The materials are smooth and has a good tearing strength. Good comfort, high strength, low shrinkage are some of the characteristics of this collection.



Trousers class 2

Comfortable trousers with extra zipper pocket on the left leg. No knee pad pocket on these trousers!

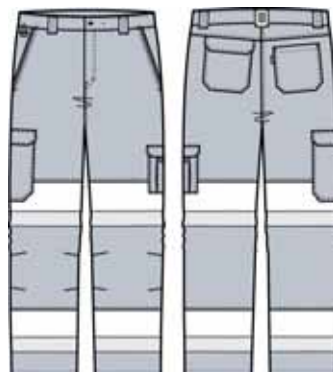
Size: 46 - 62, 100 - 120, 146 - 156
CE: EN471-2

OrderNo: 2570N3511 Yellow/grey
2570X3511 Yellow/navy
2570Z3518 Orange/black

CE EN 471
Class 2



CE EN 471
Class 1

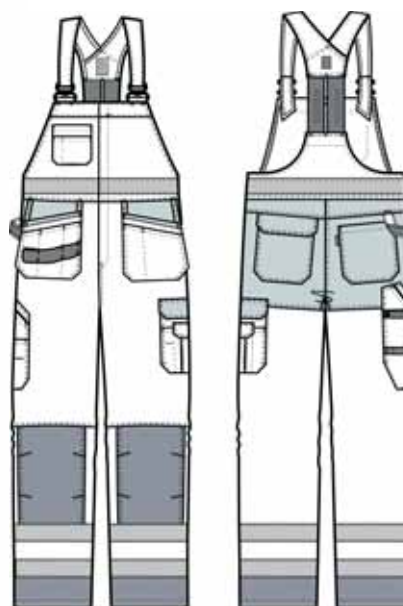


Trousers class 1

65% polyester/35% cotton. Inside pockets for knee pads. Navy/yellow. The trousers are reinforced with polyamide on knees and furthest down. Use approved long kneepads, order nr: 972 294, 972 290 or 972 292.

Size: 46 - 62, 100 - 120, 146 - 156
CE: EN471-1

OrderNo: 663001311



Bib dungarees class 2

Bibs with tool pockets and inside knee pockets. The bib dungarees are reinforced with polyamide on knees and furthest down. Use approved long kneepads, order no: 972 294, 972 290 or 972 292.

Size: 46 - 62, 100 - 120, 148 - 156
CE: EN471-2

OrderNo: 1200N3511 Yellow/grey
1200X3511 Yellow/navy
1200Z3518 Orange/black

CE EN 471
Class 2

Hi-vis garments



Hi-vis jacket, class 3

If you want to be seen, this is the jacket for you, there are reflexes on the shoulders so you will also be seen from above. D-rings and smart solutions to keep your keys where you want them. ID card holder under the right breast pocket.

Size: S - 3XL
CE: EN471-3

OrderNo: 7820N3511 Yellow/grey
7820X3511 Yellow/navy
7820Z3518 Orange/black



HiVis jacket class 3

If you do not need many pockets. Two side pockets and an inner pocket. You can bring the most important stuff with you.

Size: S - 3XL
CE: EN471-3

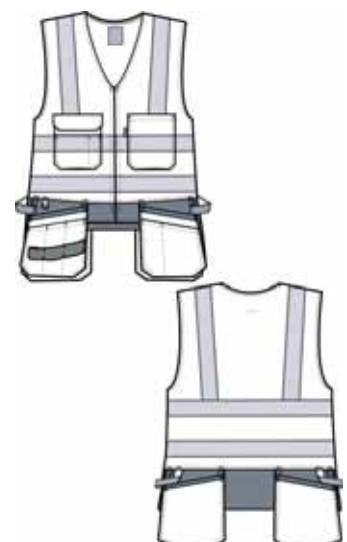
OrderNo: 785003511

Tool pocket vest class 2

Yellow/orange.

Size: M - 2XL
CE: EN471-2

OrderNo: 448003511





Visibility is
your safety!

Björnkläder[®]



High-Water trousers class 2

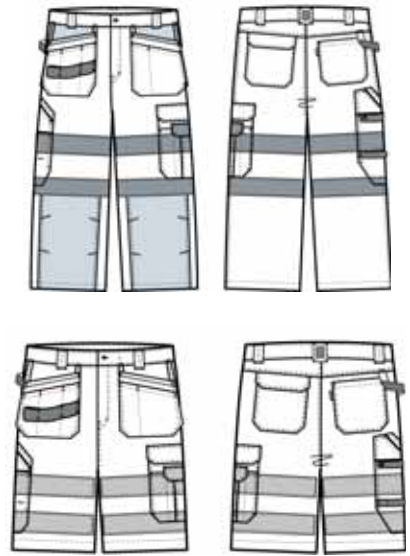
Cools you down on hot days! That is the only difference compared with your usual toolpocket trousers. Knee pockets have two heights to fit your knee pads perfectly. Two toolpockets, and under them, side pockets. Ruler and legpocket, two backpacks, one with flap for your wallet. Reinforced with Cordura on stress points. 80% bomull/20% polyester, 250g/m².

Size: 44 - 60
 CE: EN471-2
 OrderNo: 672073511 Yellow
 672073518 Orange

Use fitting short knee pads
 order no: 972 291 and 972 293!



EN 471
 Class 2



Tool pocket shorts Class 2

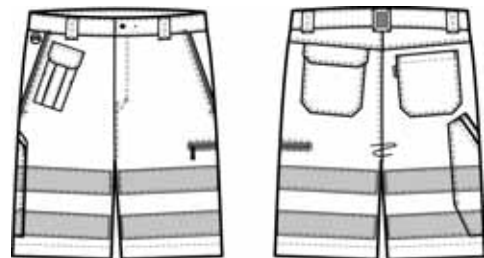
Same perfect fit as our successful Jubilee Carpenter shorts. D-rings and smart solutions for your keys. An ID card holder is placed under one of the tool pockets. Ruler pocket and mobile phone pocket are where you need them.

Size: 44 - 60
 CE: EN471-2
 OrderNo: 032003511 Yellow
 032003518 Orange

Fabric description

Our hi-vis collection is made of an easy-care material with dirt-repellent abilities. The composition of the hi-vis fabric is 80% polyester, 20% cotton with a weight of 250 g/m². Non-hi-vis is made of 65% polyester/35% cotton, weight 300 g/m².

The materials are smooth and has a good tearing strength. Good comfort, high strength, low shrinkage are some of the characteristics of this collection.



Shorts with side pockets class 2

Comfortable HiVis-shorts with a mobile phone pocket, which is placed so that it is never in the way. You can reach your mobile even when you are driving. Extra pocket with zipper on the left leg.

Size: 44 - 60
 CE: EN471-2
 OrderNo: 031003511 Yellow
 031003518 Orange



EN 471
 Class 2

Björnkläder[®]



T-shirt

Fabric: 75% polyester/25% viscose.
Weight: 175 g/m².

Size: M - 2XL
CE: EN471-3

OrderNo: 053079511 Yellow/navy
053079518 Orange/black



**EN 471
Class 3**



Polo shirt

Fabric: 75% polyester/25% viscose.
Weight: 175 g/m².

Size: M - 2XL
CE: EN471-3

OrderNo: 054079511 Yellow/navy
054079518 Orange/black



**EN 471
Class 3**



Sweatshirt

Fabric: 50% polyester/50% cotton.
Weight: 315 g/m².

Size: S - 2XL
CE: EN471-3

OrderNo: 055079811 Yellow/navy
055079818 Orange/black



**EN 471
Class 3**



Hi-vis vest, class 2

Hi-vis vest, 100% polyester, 130 g/m².
Zipper.

Size: XS - 2XL
CE: EN471-2

OrderNo: 307886 Yellow
307887 Orange



**EN 471
Class 2**



**EN 471
Class 3**

Hi-vis vest, class 3

Yellow/orange. 100% polyester,
130 g/m². Pocket.

Size: M - 2XL
CE: EN471-3

OrderNo: 308310 Yellow/orange
322960 Yellow



Fleece jacket



Fleece jacket class 3

This is no ordinary fleece jacket. It has not only all the good qualities of the normal fleece, but is also wind proof and water repellant. This is a jacket you can use all year, which can handle a shower and wet snow and still keep you warm and dry. The jacket has two side pockets, one with zipper, a mobile phone pocket and a large inner pocket. 85% cotton/15% polycotton, 325g/m². 5000mm, 2000g/m². Seams are not taped.

Size: XS - 3XL
CE: EN471-3

OrderNo: 925079711 Yellow
925079718 Orange



EN 471
Class 3



New visible soft shell jacket!



New!

Soft shell jacket class 3

Water repellent hi-vis jacket in three-layer soft shell rip stop with good breathability. A very comfortable, light weight and practical jacket. Sleeve pocket, breast pocket and inner pocket with zippers. Fabric: 90% polyester/ 10% spandex, 375g/m². The fabric has a water gauge of 10000 mm and breathability 4000g/m²/24h. The jacket has however not taped seams.

Size: XS - 3XL

OrderNo: 932036111 Yellow
932036118 Orange

CE

**EN 471
Class 3**



Functional garments that breathe!



EN 343 Protective clothing - Protection against foul weather

This norm shows that the garment protects against foul weather. It requires tests to be done on fabric and seams. Beside the umbrella symbol, the classification of the garment is given, waterproofness class 1-3 and moisture resistance class 1-3, where 3 is the highest rating.



Functional hi-vis shell jacket

Functional wind and waterproof jacket with taped seams. The jacket is breathable and has ventilation under the arms. The side pockets have zippers. One of the pockets has a D-ring for e.g. keys. Removable hood. Inside pocket with zipper and mobile phone pocket and pencil pocket. Material: 100% polyester, 220g. Water gauge: 5000mm. Breathability 5000 g/m²/24h.

Size: XS - 2XL
CE: EN 471-3
EN 343-3

OrderNo: 734006611 Yellow
734006618 Orange



CE EN 471
class 3
EN 343



Fabric description

100% polyester with a PU layer on the inside. Weight 220 g/m². Column of water: 5000 mm. Breathability: 5000 g/m²/24h.



Functional hi-vis trousers

Functional trousers that keep wind and water away, all seams taped. Side pockets with zipper and flap. Openable at bottom to fit boots. Snow lock keeps water and snow away. Two back pockets and a leg pocket, all with flaps. Material: 100% polyester, 220g. Water gauge: 5000mm. Breathability 5000 g/m²/24h.

Size: XS - 2XL
CE: EN 471-2
EN 343-3

OrderNo: 298006611 Yellow
298006618 Orange



CE

EN 471
class 2
EN 343



CE EN 471
class 3
EN 343



Winter lined functional parka

Class 3 functional parka, wind and waterproof, lets moisture out. All seams taped. The hood is removable. This is a parka to keep you warm! There are a lot of pockets, including the popular Napoleon pocket. On the inside you find two extra pockets of mesh, which expand when you fill them with for example your gloves. Lined with a quilted lining, light, warm, smooth. 100% polyester, 220g/m². 5000mm, 5000g/m², taped seams.

Size: XS - 2XL
CE: EN 471-3
EN 343-3

OrderNo: 735076611 Yellow
735076618 Orange

Hi-vis hat

Design and fabrics of the new age. The outer fabric is wind and water proof as well as breathable. The cap has a laminated fleece lining.

Size: M - L

OrderNo: 090076611 Yellow
090076618 Orange



Winter hi-vis



CE
EN 471
class 3

Winter jacket class 3

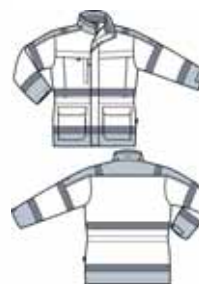
Winter jacket for tough conditions, prolonged back, two-way zipper so you can open the jacket at the bottom if you for example sit inside a car. Fleece lined collar, all outer pockets have zippers.

Size: S - 3XL
CE: EN471-3

OrderNo: 7980X6511 Yellow/navy blue
7980N6511 Yellow/grey
7980Z6518 Orange/black

Fabric description

Our hi-vis collection is made of an easy-care material with dirt-repellent abilities. The outer fabric is made of 75% polyester and 25% cotton, with a weight of 260 g/m².



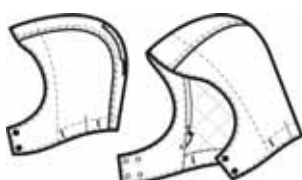
CE
EN 471
class 3

Winter parka class 3

Cargo pockets with flap and breast pocket with zipper. The pockets and collar have been lined with fleece. Removable hood can be purchased separately.

Size: S - 3XL
CE: EN471-3

OrderNo: 7460X6511 Yellow/navy blue
7460N6511 Yellow/grey
7460Z6518 Orange/black



Hood

Hood that fits the parka. Nice when the wind blows cold and when it rains!

Size: M - L

OrderNo: 088006511 Yellow
088006518 Orange

Winter hat

Winter hat in polyester/cotton.

Size: M - L

OrderNo: 092176511 Yellow
092176518 Orange



CE EN 471
class 3/2

Jacket, class 3. Vest, class 2

Two garments in one. The sleeves have zippers so that you can use the garment as vest. Side pockets and two breast pockets with zipper. Inner pocket and mobile phone pocket. Yellow/navy.

Size: S - 3XL
CE: EN471-2+3

OrderNo: 7990X6511



Winter trousers class 2

Winter trousers with lots of pockets, D-ring for keys. Pre-bend knees for better fit.

Size: S - 3XL
CE: EN471-2

OrderNo: 2810X6511 Yellow/navy blue
2810N6511 Yellow/grey
2810Z6518 Orange/black



CE EN 471
class 2

