

KOZANE[®] STRONGWEAR

For professionals

Bite and scratch resistant arm guards

For patients and service users

Anti-ligature, tear resistant seclusion garments and bedding

ABOUT GRANBERG

We are a proud and well-established company with a world-wide client base and a continued focus on product design and product development for customer satisfaction. Since 1961, our mission has been to offer the correct hand protection through customer proximity, responsiveness, knowledge, and technological innovation.

We have helped inspire and provide protection in workplaces in the manufacturing industry, in the private sector and the public sector. Our products are engineered, designed, and manufactured using the latest technology and the most advanced materials.

All of this made it possible to recruit the best talents and develop the strongest brands in the industry. Patented materials, products, and innovative solutions that best serve our customers are what we are and who we are.

Granberg's research and development team are the creators behind the Kozane® range of high-performance fabrics.

VISION

To lead the way towards a future with zero hand injuries.

MISSION

We spread knowledge to raise awareness of the importance of correct hand protection. We combine our expertise with an innovative mindset to develop products that exceed our customers' complex safety requirements.

GRANBERG' CORE VALUES



HONESTY

We are proud of who we are and the products we produce. Our confidence allows us to be open and transparent in all our decisions.

This is how we gain trust of our customers, and manage to create healthy, long-lasting relationships.



PASSION

At Granberg, we are genuinely passionate about what we do: helping people feel safe.

This driving force keeps us up to date, motivating us always to learn more and keep developing.



COURAGE

At Granberg, we would rather try and fail than risk becoming stagnant

With a courageous mindset, we are not afraid to explore uncharted ways to find new, better solutions that lead the industry forward.



EXPERTISE

With more than 60 active years in the industry, we collectively have the expertise to deliver high-quality products consistently — developed to perform optimally in every situation.

ABOUT KOZANE®

Our motivation to lead the industry forward, and thirst to find unconventional solutions and positively impact the world around us, has led to establishing a dedicated R&D centre in 2017. Thanks to a carefully selected team of textile specialists and engineers, our testing and R&D centre creates unique high-performance fabrics, breaking barriers in the protective fabrics industry and expanding the company's interests outside the glove sector.

The Kozane® range of high-performance fabrics offers industry-leading protection wherever needed, delivering flexible, lightweight, and breathable protection that truly performs. Their unique composition and outstanding performance make them suitable for various applications, including personal protective equipment (PPE) for the military, security and law enforcement, industry, health and social care, special education, extreme sports and more.

COMPARISON

COMPETITORS

- Reduced size range
- Harmful composition – ex. Glass fibre is toxic when inhaled and a skin irritant
- Kevlar based fabrics which degrade with moisture and sun exposure
- Generic cut resistant fabrics not fit for purpose – low puncture and tear resistance
- Heavyweight materials

KOZANE® STRONGWEAR:

- Wide size range
- Safe composition, non-irritant, comfortable, and breathable
- Fabric created by our R&D team especially for mental health applications
- The highest puncture and tear resistance in a knitted fabric
- Unlimited shelf life

ABOUT KOZANE® STRONGWEAR

In partnership with a major NHS mental health hospital, Granberg's award-winning design team and textile experts developed Kozane® Invicta - our most durable fabric – tear, abrasion, and puncture-resistant, and designed a range of anti-ligature garments and bedding for seclusion situations - Kozane® Strongwear.

Especially developed to address the need for tear-resistant garments for vulnerable individuals where traditional clothing and bedding may increase the risk of self-harm, the Kozane® Strongwear range is made exclusively from our Kozane® Invicta fabric and is fully tear resistant – seams included (the stitching has reinforced seams with high strength thread, increasing tensile and tear resistance), designed to provide comfort and most importantly to minimise the risk of self-harm.

Also due to its high puncture resistance, we used Kozane® Invicta to design bite and scratch resistant protective garments for professionals working in special education and mental health. When dealing with service users and patients exhibiting challenging behaviour, carers can now focus on what they do best, even in the most challenging environments.

KOZANE® INVICTA PERFORMANCE RATINGS

EN 388:2016 ABRASION RESISTANCE - LEVELS 1 TO 4

1 2 3 4

EN 388:2016 TEAR RESISTANCE - LEVELS 1 TO 4

1 2 3 4

EN 388:2016 PUNCTURE RESISTANCE - LEVELS 1 TO 4

1 2 3 4

FOR PROFESSIONALS

Discreet protection against bites and scratches

When working with vulnerable people, particularly those presenting challenging behaviour, healthcare and education workers can be at risk from bites and scratches. As well as causing pain and bruising, bites carry an especially high risk of infection (due to the number of bacteria in the human mouth) as well as a risk of contamination with blood-borne viruses. Hepatitis B virus (HBV), Hepatitis C virus (HCV) and Human immunodeficiency virus (HIV) can be found in the saliva of infected people in low concentrations. We have incorporated Kozane® Invicta into arm guards to provide discreet protection that can be worn all day



KOZANE® STRONGWEAR BITE RESISTANT SHORT ARM GUARDS

DESCRIPTION

Designed to protect professionals working in mental health care and special education, dealing with individuals with special needs, challenging behaviour and learning disabilities.

Discreet, lightweight, and comfortable protection, effectively reducing the severity of injuries resulting from bites or scratches on the forearms, as well as inside and back of the hand. Featuring thumb hole for improved fit.

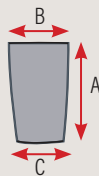
Suitable for:

Mental Health | Special education | Special needs

Sizes:

Unisex: **S** **M** **L** **XL**

Art.: 703-22	S	M	L	XL
A	30	31	32	34
B	12	13	14	15,5
C	9,5	10	10,5	11



Garment measurements are taken flat, in centimetres

Washing and care instruction:



ART. 703-22



KOZANE® STRONGWEAR BITE RESISTANT LONG ARM GUARDS

DESCRIPTION

Designed to protect professionals working in mental health care and special education, dealing with individuals with special needs, challenging behaviour and learning disabilities.

Discreet, lightweight, and comfortable protection, effectively reducing the severity of injuries resulting from bites or scratches on the forearms, as well as inside and back of the hand. Featuring thumb hole for improved fit.

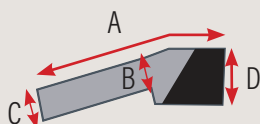
Suitable for:

Mental Health | Special education | Special needs

Sizes:

Unisex: S/M M/L XL/2XL

Art: 703-23	S/M	M/L	XL/2XL
A	93,5	96	99
B	20	23	26
C	10,5	11,5	12,5
D	20	20	20



Garment measurements are taken flat, in centimetres

Washing and care instruction:



ART. 703-23

FOR SERVICE USERS

Anti-ligature tear-resistant clothing and bedding

Trialled and tested in one of the major mental health hospitals in United Kingdom, the Kozane® Strongwear range is made exclusively from our strongest fabric yet - Kozane® Invicta and is fully tear resistant with reinforced seams, designed to provide comfort and most importantly to minimise the risk of self-harm.

 **kozane**[®]
BY GRANBERG

KOZANE® STRONGWEAR TEAR RESISTANT BED SHEET

DESCRIPTION

Manufactured using a heavier version of our tear-resistant Kozane® Invicta fabric, combined with strong seams to create a comfortable but durable bed sheet, built to withstand extreme force. The reinforced seams use a high strength thread, increasing tensile and tear strength.

Anti-ligature bedding protects the service user from self-harm, whilst giving peace of mind to carers that the person using the bedding can't harm themselves.

Suitable for:

Mental Health | Special education | Forensic hospitals |
Correctional facilities/Prisons

Washing and care instruction:



One size: 244 cm x 183 cm

ART. 712-02



KOZANE® STRONGWEAR BLANKET

DESCRIPTION

Manufactured using a heavier version of our tear-resistant Kozane® Invicta fabric, combined with strong seams to create a comfortable but durable blanket, built to withstand extreme force. The reinforced seams use a high strength thread, increasing tensile and tear strength.

Anti-ligature bedding protects the service user from self-harm, whilst giving peace of mind to carers that the person using the bedding can't harm themselves.



One size: 177 cm x 137 cm

Suitable for:

Mental Health | Special education | Forensic hospitals |
Correctional facilities/Prisons

Washing and care instruction:



ART. 712-01



KOZANE® STRONGWEAR T-SHIRTS

DESCRIPTION

Made exclusively from our strongest fabric - Kozane® Invicta, the soft and durable t-shirt is fully tear-resistant. Featuring reinforced seams using high strength thread, increasing tensile and tear strength. Designed to provide comfort while minimising the risk of self-harm.

Especially developed for seclusion situations, to address the need for tear-resistant garments for vulnerable individuals. The t-shirt was created without any front or side pockets and it does not contain elastics, labels or drawstrings.

Available in grey marl, offering a wide size range

Sizes:

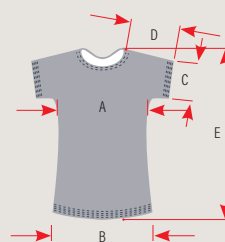


T-Shirt Art.: 702-07	XS	S	M	L	XL	2XL	3XL
A	48.7	52.7	56.7	60.7	64.7	68.7	72.7
B	54	58	62	66	70	74	78
C	21	22	23	24	25	26	27
D	21	22	23	24	25	26	27
E	66.5	68.5	70.5	72.5	74.5	76.5	78.5

Garment measurements are taken flat, in centimetres

Suitable for:

Mental Health | Special education | Special needs



Washing and care instruction:



ART. 702-07



KOZANE® STRONGWEAR GOWN

DESCRIPTION

Made exclusively from our strongest fabric - Kozane® Invicta, the soft and durable gown is fully tear-resistant. Featuring reinforced seams using high strength thread, increasing tensile and tear strength. Designed to provide comfort while minimising the risk of self-harm.

Especially developed for seclusion situations, to address the need for tear-resistant garments for vulnerable individuals. The gown was created without any front or side pockets and it does not contain elastics, labels or drawstrings.

Available in grey marl, offering a wide size range.

Sizes:



Gown Art.: 702-06	S	M	L	XL	2XL	3XL	4XL	5XL
A	20	21	22	23	24	25	26	27
B	52	56	60	64	68	72	76	80
C	94	98	102	106	110	114	118	122
D	22.5	23.5	24.5	25.5	26.5	27.5	28.5	29.5
E	23.5	24.5	25.5	26.5	27.5	28.5	29.5	30.5
F	104.5	107	109.5	112	114.5	117	119.5	122

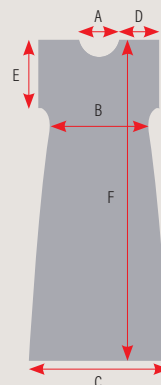
Garment measurements are taken flat, in centimetres

Washing and care instruction:



Suitable for:

Mental Health | Special education | Special needs



ART. 702-06



KOZANE® STRONGWEAR SHORTS

DESCRIPTION

Made exclusively from our strongest fabric - Kozane® Invicta, the soft and durable shorts are fully tear-resistant. Featuring reinforced seams using high strength thread, increasing tensile and tear strength. Designed to provide comfort while minimising the risk of self-harm.

Especially developed for seclusion situations, to address the need for tear-resistant garments for vulnerable individuals. The shorts were created without any front or side pockets and they do not contain elastics, labels or drawstrings. The adjustable Velcro provides improved fit.

Available in grey marl, offering a wide size range

Sizes:



Art.: 708-04	XS	S	M	L	XL	2XL	3XL	4XL	5XL
A	46.5	50.5	54.5	58.5	62.5	66.5	70.5	74.5	78.5
B	48	52	56	60	64	68	72	76	80
C	28.5	30.5	32.5	35	37.5	40	42.5	45	47.5
D	26	28	30	32	34	36	38	40	42
E	62	63.5	65	66.5	68	69.5	71	73	74.5

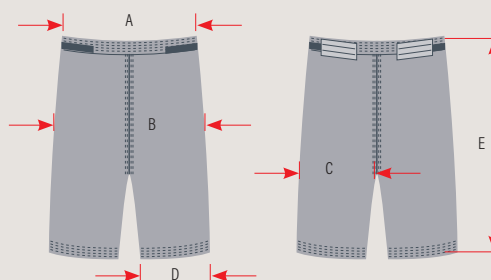
Garment measurements are taken flat, in centimetres

Washing and care instruction:



Suitable for:

Mental Health | Special education | Special needs



ART. 708-04