



## Fabric Range

Kozane<sup>®</sup> Pro

Kozane<sup>®</sup> Extreme  
Kozane<sup>®</sup> Pyro

Kozane<sup>®</sup> Invicta  
Kozane<sup>®</sup> Supreme

# Kozane® Pro

Art. No. 500.3503

Kozane® Pro is a lightweight, high-performance fabric with an innovative 4-way stretch, offering high levels of cut, puncture, abrasion and tear resistance.

Breathable and soft, designed primarily for garment manufacturing.



## Potential applications:

- ✓ Cut and slash-resistant clothing
- ✓ Cut-resistant lining for gloves
- ✓ Anti-theft bags, luggage and upholstery
- ✓ Motorcycle, outdoor and extreme sports apparel (speed skating, hockey, speed boating, etc.)
- ✓ Cut resistant Footwear

## Sectors:

Sports and Leisure, Glass and Metal fabrication, Car Manufacturing, Security

EN 388: 2016 6.1 Abrasion	<b>Level 2</b>
EN 388: 2016 6.2 Blade cut resistance	<b>Level X*</b>
EN 388: 2016 6.4 Tear resistance	<b>Level 4</b>
EN 388: 2016 6.5 Puncture resistance	<b>Level 3</b>
EN 388: 2016 6.3 Cut resistance method (EN ISO 13997:1999)	<b>Level F</b>
ANSI ASTM F2992-15	<b>Cut A6 (Cut Score: 3,743g)</b>

*\*x stands for not tested. As per clause 6.2.6 of EN 388:2016 for materials dulling the blades, if after the first sequence the number of cycles Cn+1 is greater than 3 times Cn in one of the tested specimens, the EN ISO 13997:1999 Cut resistance method as per clause 6.3 shall be performed and this method becomes the reference test method for the assessment of the protection against cut risks.*

Weight	<b>345 g/m2</b>
Roll width	<b>2.05m</b>
Roll length	<b>20m</b>
Colour	<b>White</b>

# Kozane® Extreme

Art. No. 500.3102

Kozane® Extreme is a lightweight, high-performance fabric, offering the optimum combination between outstanding levels of protection and comfortability. Featuring high levels of cut, puncture, abrasion and tear resistance, Kozane® Extreme is breathable, soft, and designed primarily for garment manufacturing.



EN 388: 2016. 6.1 Abrasion	<b>Level 3</b>
EN 388: 2016. 6.2 Blade cut resistance	<b>Level X*</b>
EN 388: 2016. 6.4 Tear resistance	<b>Level 4</b>
EN 388: 2016. 6.5 Puncture resistance	<b>Level 4</b>
EN 388: 2016. 6.3 Cut resistance method (EN ISO 13997:1999)	<b>Level F</b>
ANSI ASTM F2992-15	<b>Cut A8 (Cut Score: 5,215g)</b>

*\*x stands for not tested. As per clause 6.2.6 of EN 388:2016 for materials dulling the blades, if after the first sequence the number of cycles Cn+1 is greater than 3 times Cn in one of the tested specimens, the EN ISO 13997:1999 Cut resistance method as per clause 6.3 shall be performed and this method becomes the reference test method for the assessment of the protection against cut risks.*

## Potential applications:

- ✓ Cut and slash-resistant clothing
- ✓ Anti-theft bags, luggage and upholstery
- ✓ Motorcycle, outdoor and extreme sports apparel
- ✓ Cut resistant Footwear
- ✓ Bite and scratch resistant clothing for professionals in mental health and special education

## Sectors:

Glass and Metal fabrication, Car Manufacturing, Security, Healthcare, Sports and Leisure, Mining, Recycling, Paper and Pulp

Weight	<b>375 g/m2</b>
Roll width	<b>2.05m</b>
Roll length	<b>20m</b>
Colour	<b>Black</b>

# Kozane® Pyro

Art. No. 500.2009

Originally designed as a lining for Granberg gloves, Kozane® Pyro's unique composition offers outstanding cut and heat resistance. This exceptional three-dimensional knitted fabric combines a high-performance top layer with a soft, fire resistant bottom layer for optimum comfort and protection.



## Potential applications:

- ✓ Cut and heat resistant lining for gloves
- ✓ PPE Manufacturing - Cut and heat resistant arm guards, aprons, chaps, clothing
- ✓ Cut and heat resistant protective clothing for Security/Army – can be personalised with camouflage print

## Sectors:

Glass and Metal fabrication, Car Manufacturing, Security/Army

EN 388: 2016 6.1 Abrasion	<b>Level 3</b>
EN 388: 2016 6.2 Blade cut resistance	<b>Level X*</b>
EN 388: 2016 6.4 Tear resistance	<b>Level 4</b>
EN 388: 2016 6.5 Puncture resistance	<b>Level 1</b>
EN 388: 2016 6.3 Cut resistance method (EN ISO 13997:1999)	<b>Level F</b>
EN 407:2004 Clause 5.2 Contact Heat	<b>Level 1 (100°C for ≥ 15 seconds)</b>

*\*x stands for not tested. As per clause 6.2.6 of EN 388:2016 for materials dulling the blades, if after the first sequence the number of cycles Cn+1 is greater than 3 times Cn in one of the tested specimens, the EN ISO 13997:1999 Cut resistance method as per clause 6.3 shall be performed and this method becomes the reference test method for the assessment of the protection against cut risks.*

Weight	<b>545g/m2</b>
Roll width	<b>1.90m</b>
Roll length	<b>18m</b>
Colour	<b>Green</b>

# Kozane® Invicta

Art. No. 500.2019

Kozane® Invicta features outstanding tear and abrasion resistance, with added cut and puncture resistance.



## Potential applications:

- ✓ Tear-resistant clothing and bedding for mental health and prison/corrections
- ✓ Extremely durable footwear, luggage, upholstery
- ✓ Abrasion resistant protective motorcycle apparel
- ✓ Reinforcements (i.e. knees and elbows) for puncture, tear and abrasion resistance

## Sectors:

Sports and Leisure, Healthcare, Prisons and Corrections, Security/Army

EN 388: 2016 6.1 Abrasion	<b>Level 4</b>
EN 388: 2016 6.2 Blade cut resistance	<b>Level X*</b>
EN 388: 2016 6.4 Tear resistance	<b>Level 4</b>
EN 388: 2016 6.5 Puncture resistance	<b>Level 4</b>
EN 388: 2016 6.3 Cut resistance method (EN ISO 13997:1999)	<b>Level B</b>

*\*x stands for not tested. As per clause 6.2.6 of EN 388:2016 for materials dulling the blades, if after the first sequence the number of cycles Cn+1 is greater than 3 times Cn in one of the tested specimen, the EN ISO 13997:1999 Cut resistance method as per clause 6.3 shall be performed and this method becomes the reference test method for the assessment of the protection against cut risks.*

Weight	<b>470 g/m2</b>
Roll width	<b>1.87m</b>
Roll length	<b>18m</b>
Colour	<b>Black or Grey</b>

# Kozane® Supreme

Art. No. 500.1005

Kozane® Supreme reaches the highest possible cut resistance level according to the American standard ANSI ASTM F2992-15, an unprecedented ANSI A9 for a knitted fabric, previously only achieved by chain mail. While offering the highest cut, puncture, and tear resistance, Kozane® Supreme is soft and breathable, which makes it suitable for manufacturing cut resistant products across a variety of sectors.



## Potential applications:

- ✓ Cut and slash-resistant clothing
- ✓ Anti-theft bags, luggage, and upholstery
- ✓ Motorcycle, outdoor and extreme sports apparel
- ✓ Cut resistant Footwear

## Sectors:

Glass and Metal fabrication, Car Manufacturing, Security, Healthcare, Sports and Leisure, Mining, Recycling, Paper and Pulp

EN 388: 2016. 6.1 Abrasion	<b>Level 4</b>
EN 388: 2016. 6.2 Blade cut resistance	<b>Level X*</b>
EN 388: 2016. 6.4 Tear resistance	<b>Level 4</b>
EN 388: 2016. 6.5 Puncture resistance	<b>Level 4</b>
EN 388: 2016. 6.3 Cut resistance method (EN ISO 13997:1999)	<b>Level F</b>
ANSI ASTM F2992-15	<b>Cut A9 (Cut Score: 7,005g)</b>

*\*x stands for not tested. As per clause 6.2.6 of EN 388:2016 for materials dulling the blades, if after the first sequence the number of cycles Cn+1 is greater than 3 times Cn in one of the tested specimens, the EN ISO 13997:1999 Cut resistance method as per clause 6.3 shall be performed and this method becomes the reference test method for the assessment of the protection against cut risks.*

Weight	<b>531 g/m2</b>
Roll width	<b>1.98m</b>
Roll length	<b>18m</b>
Colour	<b>Black</b>