TILSATEC

EnVision®

People. Planet. Protection.

EnVision® Sustainable Range

Product Guide

TILSATEC

EnVision®

People. Planet. Protection.

As a business, Tilsatec recognise the need for action and change, now. Our planet is warming at an alarming rate, and we know we need to play our part in reducing harmful emissions.

We are committed to our climate pledge of reaching Net Zero by 2050.

That's why we're working hard across all our teams to create positive change in manufacturing, logistics, energy consumption, recycling, raw materials and our supply chain to bring you high performance hand and arm protection which allows you to reduce your carbon footprint and take energy intensive products out of your supply chain.

With core business teams now certified carbon literate, we're building out and delivering on our CRP (Carbon Reduction Plan) which you can read more about in our 2024-25 Sustainability Report.

Tilsatec EnVision is the umbrella under which our sustainability program sits and it's underpinned by our 3 key pillars; **People, Planet, Protection.**

People

As a member of Sedex we are committed to being a responsible business, sourcing responsibly, and improving ethical standards and working conditions within the supply chain. All our manufacturing sites globally adhere to the Sedex Members Ethical Trade Audit (SMETA) or equivalent, but we also have our own stringent standards and criteria we set for our operations.

Planet

Utilising our yarn engineering expertise, we aim to replace virgin synthetic material with recycled and/or plant-based yarns.

- **Reduce carbon footprint working towards Net Zero by 2050**
- **Removing single use plastics from our inner packaging**
- **FSC certified recycled carton packing, inner packaging, catalogues and print materials**
- **Reduce the use of chemicals and solvents in all operations**

Protection

Deliver hand protection solutions to meet all handling tasks from general purpose through to high cut, each with a sustainable yarn content of >50%.
The Tilsatec Envision range sets a new standard in environmentally friendly gloves that don't compromise on comfort, dexterity or durability.

ENVIRONMENTAL, SOCIAL & GOVERNANCE

positive planet™

An important step in our journey is partnering with **Positive Planet,** an independent consultancy that works with businesses to turn their sustainability goals into meaningful action. We're proud to be working with Positive Planet on our goal of acheiving net zero and this has allowed us to work on our 5 step Environmental, Social and Governance program.

OUR 5 STEP PROGRAM

MEASURE

We are measuring our carbon emissions annually and from our baseline measurement in 2022 we have reduced our overall footprint by 5% in 2023. For 2024 and beyond we are working towards a more ambitious target of >9% per annum to keep us on track to achieve net zero by 2050.

REDUCE

We have created a robust carbon reduction plan aligned with science-based targets, implementing strategies for these changes, and diligently executing these actions to minimize our carbon footprint.

COMMUNICATE

To ensure transparency and accountability, we pledge to deliver annual Sustainability Reports. This commitment will enable businesses that choose Tilsatec as their trusted hand, arm, and body protection supplier to track our progress easily.

MITIGATE

Upon implementation of our carbon reduction plan, we are dedicated to offsetting any remaining carbon emissions which cannot be eradicated to further mitigate our environmental impact.

CERTIFY

Reinforcing our dedication to environmental sustainability, in 2025 we will implement a certified ISO 14001 Environmental Management System, and continue our journey to net zero accreditation.

The EnVision glove range has been designed to provide end users with a credible, viable, more sustainable alternative to their current hand protection that doesn't mean compromising on protection, comfort or significantly higher prices.

Specifying EnVision® hand protection helps to solve a major, emerging issue for businesses - how to reduce the impact of their supply chain without compromising protection for their workforce. Using EnVision® gloves allows distributors and end users to reduce their carbon footprint and take energy-intensive products out of their supply chain.

As a conscientious PPE manufacturer, we recognise the need to continually look at the raw materials used in our products, opting for bio-plant based or recycled yarns where possible.

Dyneema®

Bio-based Dyneema® is the first ever bio-based ultra-high molecular weight polyethylene fibre, reducing reliance on fossil fuel based resources. All bio-based Dyneema® fibres have the exact same characteristics and performance as conventional Dyneema®. Made from trees (a bi-product of pulp and timber) this is known as the mass balance approach, certified by ISCC (International Sustainability & Carbon Certification).

BIO-BASED DYNEEMA® FIBRE AT HEART
Because it matters

CO_2

Carbon emissions **reduced** by **>600g** for every pair of gloves made with **Bio-Based Dyneema®**, when compared to Generic HMPE yarn.

Product Packaging

Quantities of 12 pairs come wrapped in an FSC paper band.
Outer cartons contain 72 pairs per carton for sizes 6, 7 & 11, 120 pairs per carton for sizes 8, 9 & 10.

>50% sustainable yarn content in all EnVision® products

55-1825

CUT
A

EnVision® plant-based cut level **A** glove with microfoam palm coating

Gauge	15gg
Colour	Green liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace
- Logistics and warehousing

- 52% of the glove is made with sustainable materials (incl. coating)
- Manufactured using a unique combination of plant and bio-based yarns resulting in lower CO_2 emissions
- Less water consumption and energy usage
- Level A cut resistance to EN388:2016+A1:2018
- High level abrasion resistance gives durability and increases life span
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort

FSC

55-3825

CUT C

EnVision® plant-based cut level C glove with microfoam palm coating

Gauge	15gg
Colour	Green liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace

- 54% of the glove is made with sustainable materials (inc. coating)
- Manufactured using a unique combination of plant and bio-based yarns resulting in lower CO_2 emissions
- Less water consumption and energy usage
- Level C cut resistance to EN388:2016+A1:2018
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort

EN388:2016
4 X 4 2 C

CE

BIO-BASED DYNEEMA® FIBRE AT HEART

FSC

55-1725

CUT **A**

EnVision® cut level **A** glove with microfoam palm coating

Gauge	15gg
Colour	Navy liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace
- Logistics and warehousing

- 65% of the glove is made with sustainable materials (incl. coating)
- Manufactured using a unique combination of recycled polyester (rPET) and recycled nylon (rPA) resulting in a total CO_2 reduction of >320 grams*
- Energy savings of 0.276 kwh and 6 litres less water consumption per pair
- Level A cut resistance to EN388:2016+A1:2018
- High level abrasion resistance (>20,000 cycles) gives durability and increases life span
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort

*Versus same style using virgin materials

EN388:2016
4 X 4 2 A

CE

FSC

55-3725

CUT C

EnVision® cut level C glove with microfoam palm coating

Gauge	15gg
Colour	Navy liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace

- 64% of the glove is made with sustainable materials (inc. coating)
- Manufactured using a unique combination of Bio Based Dyneema and recycled polyester (rPET) resulting in a total CO_2 reduction of >820 grams per pair*
- Energy savings of 0.302 kwh and 4 litres less water consumption per pair
- Level C cut resistance to EN388:2016+A1:2018
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort

*Versus same style using virgin materials

EN388:2016
4X42C

CE

BIO-BASED DYNEEMA® FIBRE AT HEART

FSC

55-6725

CUT **F**

EnVision® cut level **F** glove with microfoam palm coating

Gauge	15gg
Colour	Navy liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace

- 54% of the glove is made with sustainable materials (inc. coating)
- Manufactured using a unique combination of Bio Based Dyneema and recycled polyester (rPET) resulting in a total CO_2 reduction of >780 grams per pair*
- Energy savings of 0.254 kwh and 3.3 litres less water consumption per pair
- Incredible level F cut resistance to EN388:2016+A1:2018
- Touchscreen compatible reducing need to remove gloves between tasks
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- High dexterity and tactility, close fitting and soft comfort

*Versus same style using virgin materials

EN388:2016

4 X 4 2 F

CE

BIO-BASED DYNEEMA® FIBRE AT HEART

FSC

rPET RECYCLING PROCESS

rPET is made by recycling PET, the recycling of plastic bottles. Once processed, the hot washed flakes are used to create new recycled polyester yarn which is then Dope Dyed before production of the EnVision glove range.

Choosing rPET helps create a circular economy by keeping these precious materials that have already been extracted from the earth in circulation.

It supports the recycling industry and we as a company are embracing this change. It saves energy, resources, and rescues these plastics from landfills where they can take thousands of years to break down.

rPET vs Virgin PET

55-1725 CUT A		>320g CO_2 REDUCTION	0.276 kwh Energy Savings	>6 litres LESS water consumption
55-3725 CUT C		>820g CO_2 REDUCTION	0.302 kwh Energy Savings	>4 litres LESS water consumption
55-6725 CUT F		>780g CO_2 REDUCTION	0.254 kwh Energy Savings	>3 litres LESS water consumption

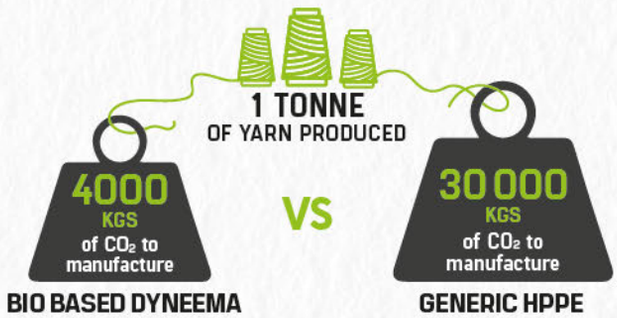
BIO BASED DYNEEMA VS GENERIC HPPE

Bio-based Dyneema® is the first ever bio-based ultra-high molecular weight polyethylene fibre, reducing reliance on fossil fuel based resources. All bio-based Dyneema® fibres have the exact same characteristics and performance as conventional Dyneema®. Made from trees (a bi-product of pulp and timber).

CO_2

>600g

reduction for every pair of gloves made with **Bio-Based Dyneema**, when compared to **Generic HMPE yarn.**



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