



FENTO

ERGONOMIC KNEE PROTECTORS™

COMPANY BROCHURE

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FENTO PREVENTS KNEE AND BACK PROBLEMS

FENTO Knee Protection is a Dutch company specialized in developing, manufacturing and distributing premium ergonomic knee protection. FENTO is active in the sizable and growing Personal Protective Equipment (PPE) market that is forecasted to reach \$ 70bn worldwide by 2025 (6% CAGR during 2020 - 2025).

FENTO was founded by sailmaker René van Rijn and his physiotherapist Geert Kaal. They joined forces to develop the most ergonomic knee protection with the goal of preventing knee and back problems.

And they succeeded. FENTO's innovative, award-winning combination of ergonomics, comfort and quality turned out to be very successful.

Today, FENTO improves the lives of over 1 million professionals working on their knees worldwide, and FENTO is rapidly growing in already 25 countries across the world.



OUR VISION

A world without knee & back problems for professional craftspeople that work on their knees.



OUR MISSION

Providing ergonomic, innovative, premium and sustainable best in class knee protection to all professional end users.



OUR CORE VALUES

Carrying culture, Teamwork, Commitment and Fun.



Dutch
Innovation
Award



FD Gazellen
Awards
'21 - '22 - '23
- '24 - '25



G100 (Great
Industrial
Design) 2023



iF Design Awards
2025
on 2 products



RedDot 2025
on 3 products

FENTO WORLDWIDE

FENTO's are worn by more than one million users worldwide, thanks to an active network in more than 25 countries with over 2500 retailers.



HOW IT STARTED

In the year 2000 sailmaker René van Rijn went to his doctor with chronic knee problems. He was referred to Geert Kaal, physiotherapist and specialized in knee and back problems. After ten treatments, René's knee problems disappeared, but after 3 months he returned with exactly the same physical symptoms. But now so bad that he could no longer work on his knees.

René had already bought and tested several knee protectors, but nothing helped him to prevent his knee and back problems. This was the moment he asked Geert:

"Can you help me develop a knee protector that allows me to continue working?" After studying the "knee position" dozens of people were put into "form-foam" to find the right ergonomic shape. After this, several prototypes were made and tested by various 'knee sitters' such as carpet layers, parquet layers, tilers and construction workers.



"Success begins with customer satisfaction. I am proud that we have relieved so many people of knee and back problems."

Geert Kaal



"Thanks to FENTO, I was able to work full-time again, and my career took a fantastic turn that I had never imagined possible. It has enriched my life."

René van Rijn



1. Founder Geert demonstrates FENTO during the first trade fair in the Netherlands.

2. Exciting: the first delivery.

3. King Willem Alexander's visit to the "Skills The Finals 2023": an event to celebrate craftsmanship and inspire young people.

The idea was born, we must develop a knee protector where the pressure is not concentrated on the knee - but is distributed across the lower leg. In addition, it must be lightweight, breathable, and water-resistant. Five years later, the first model was ready for the market. Geert & Rene rented the smallest stand at a construction trade fair and after two days they were sold out. The rest is history, with more than 1 million happy FENTO users in more than 25 countries all over the world.

After studying the knee position dozens of people were put into form-foam to find the right ergonomic shape.

Move painlessly at home, play with the (grand) children, bike and walk, get up easily from bed or the couch. That's what we do it for. FENTO knee pads relax your knees and spare your back.

SMALL PRESSURE AREA CAUSES KNEE AND BACK PROBLEMS

The knee joint is one of the most important joints in the body and for many people, their jobs can require them to spend long hours on their knees. Unfortunately, this can cause serious long-term damage. – In the UK alone, there are over 100,000 knee replacements annually.

According to a comprehensive study conducted by the National Institute for Occupational Safety and Health (NIOSH), nearly 40% of workers in these fields experience frequent knee pain, because when working on their knees the pressure is concentrated on a small area. This often leads to persistent discomfort and severe injuries.

Data from the Bureau of Labour Statistics reveals that a significant portion of skilled workers – almost 20% – are forced to abandon their trades due to knee and back problems.

PRODUCTIVITY AND ECONOMIC IMPACT

These injuries not only compromise the health and motivation of workers but also lead to staggering economic losses. The American Academy of Orthopaedic Surgeons estimates that knee-related injuries contribute to a loss of billions annually in medical costs and decreased productivity, with an average of over 30 days of work missed per injury.

More and more work-related illness is caused by osteoarthritis of the knee. By 2025, knee osteoarthritis will be in the top 3 causes of work-related absenteeism. Many professional men and women achieve this already around the age of 40.

Sources: NIOSH, Bureau of Labour Statistics, The American Academy of Orthopaedic Surgeons, The University of Sydney



With regular knee protection, all pressure is on a small area of the knee.

Pressure scale
High Low



INCREASED RISKS

A study by the Universities of Sydney, Oxford and Southampton reveals that floor-layers, bricklayers, and carpenters have approximately 2.5 times higher odds to knee osteoarthritis compared to sedentary workers. Agricultural workers face up to a 64% increase in odds, while builders and construction workers experience a 63% increase.

ERGONOMIC IMPROVEMENT

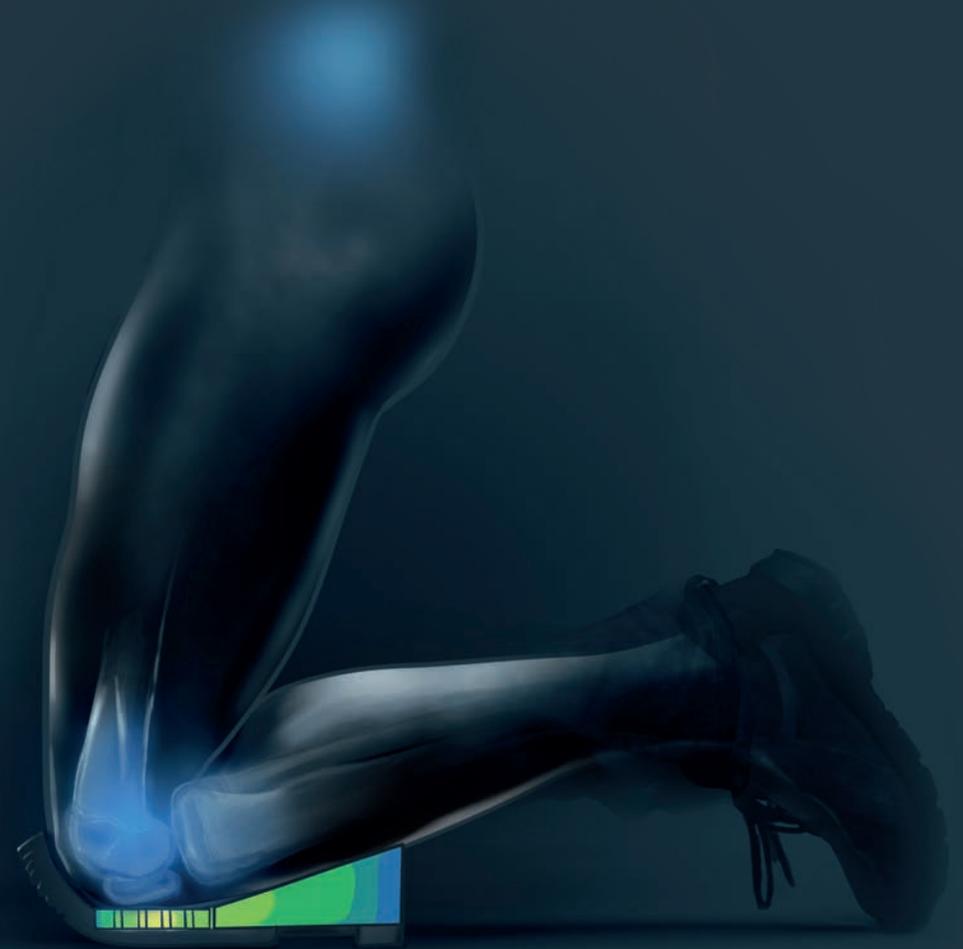
Prevent knee- and back problems with FENTO's unique ergonomic pressure distribution technology. With most knee protectors, the pressure is concentrated on the kneecap, leading to knee problems.

FENTO's innovative and award-winning concept evenly distributes the pressure across the lower leg, using an ergonomic wedge in all of the FENTO products.

This is a major ergonomic improvement, preventing knee and back problems. It makes working on your knees healthier and more comfortable.

Why do FENTO knee pads also help prevent back problems? A stable sitting position is key in order to keep your back safe. Therefore, FENTO's products are designed to provide stability. The wide and flat surface provides a firm kneeling position.

FENTO's ergonomic knee protectors are not just for professionals that already suffer from knee and back problems. In fact, physiotherapists claim that prevention is always better than cure. Invest in the right protection right now and you will thank us later!



With FENTO, pressure is distributed across your lower leg.

Pressure scale
High Low

FENTO

PRODUCTS



FENTO POCKET
SPECIALLY MADE TO FIT IN
YOUR WORK TROUSERS



FENTO MAX
SPECIALLY MADE FOR
EXTRA INTENSIVE USAGE



FENTO POCKET M2
MAXIMAL SUPPORT FOR
YOUR WORK TROUSERS



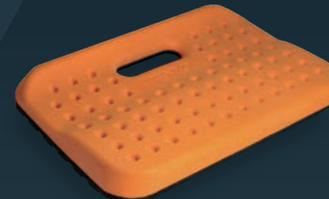
FENTO ORIGINAL
THE ALLROUND MODEL



FENTO ROOFER
HIGH TRACTION, ERGONOMIC
KNEE PADS DESIGNED
FOR ROOFERS



FENTO HOME
DESIGNED TO BE USED IN AND
AROUND YOUR OWN HOME



FENTO BOARD
SPECIALLY MADE TO CREATE
EXTRA MOBILITY



FENTO BOARD M2
DESIGNED FOR MAXIMUM
PROTECTION AND COMFORT



FENTO ORIGINAL

The allround model

The FENTO ORIGINAL is the ultimate all-around model, designed to excel across a wide range of applications. It offers the ergonomics you expect of us: the Ergonomic Wedge ensures the correct distribution of pressure across the lower leg, which prevents knee and back problems. The improved fit takes on the shape of the knee, offering even greater comfort.

Replaceable accessories for the FENTO ORIGINAL:

- ✓ Inlays
- ✓ Elastics
- ✓ Clip Elastics
- ✓ Protective Covers

UNIQUE ERGONOMICS

Inlay evenly distributes pressure over knee and lower leg to prevent back and knee problems.

ELASTIC STRAP

Replaceable and do not restrict behind the knee.

OUTER LAYER

Hardwearing and water repellent.

REPLACEABLE INLAY

With breathable fabric.

HIGH QUALITY AND COMFORTABLE INNER LAYER

Light weight and easy to clean.

WIDE SUPPORT AREA

For maximum stability.





FENTO MAX

Ultimate protection and comfort for intensive usage

The FENTO MAX is the big brother of the FENTO ORIGINAL, the longer length offers extra protection and ergonomics. The Ergonomic Wedge ensures the correct distribution of pressure across the lower leg, which prevents knee and back problems. The improved fit takes on the shape of the knee, offering even greater comfort.

Replaceable accessories for the FENTO ORIGINAL:

- ✓ Inlays
- ✓ Elastics
- ✓ Clip Elastics
- ✓ Protective Covers

UNIQUE ERGONOMICS

The long wedge-shaped breathable inlays distribute the pressure gradually across the knee and lower leg, preventing knee and back problems.

COMFORTABLE STRAPS

Replaceable wide elastic bands that do not pinch.

LIGHTWEIGHT AND WATER-REPELLENT

The knee pads are lightweight and have a durable and water-repellent outer layer.

REPLACEABLE PARTS

Both the inlays and the elastic straps are replaceable. This increases the knee pads' lifespan, which is both cost-effective and sustainable.

HIGH QUALITY MATERIALS

The inlay and inner layers are highly resilient, lightweight and comfortable due to thoroughly tested materials.

MAXIMUM STABILITY

The flat and wide surface offers a balanced kneeling position. This is crucial in helping to prevent knee and back injuries due to thoroughly tested materials.





FENTO POCKET

The ergonomic knee pad for your work trousers

The FENTO POCKET is an ergonomic knee protector developed to fit most work trousers. Designed for everyday use, the POCKET provides good pressure distribution over the knee and lower leg. This prevents knee and back problems.

The four-layer knee protector is 100% comfortable and made from durable materials that improve breathability.

Weighing only 135 grams, you barely notice them while working.

With an EN 14404:2010 Level 1 rating, these kneepads protect against pebbles, small nails, and various types of flooring and soil.

3D-MESH FABRIC

Breathable, sweat-wicking fabric cover that keeps you cool during the day.

ERGONOMIC DESIGN

The wedge shape provides unique pressure distribution which gradually distributes pressure over the knee and lower leg, to prevent back and knee problems.

UNIVERSAL FIT

Designed to fit nearly all work trousers.



HIGHLY RESILIENT PU-FOAM

High performing foam provides excellent long-term protection and shock absorption.

COMFORTABLE EVA-FOAM

The layer of soft EVA-foam ensures comfort and water-repellency.



FENTO POCKET M2

Maximal support for your work trousers

The FENTO POCKET M2 for heavy-duty use is an ergonomic kneepad designed for maximum protection and developed to fit most work trousers. Made for tougher jobs, the POCKET M2 is constructed from lightweight, durable materials. Its ergonomic design evenly distributes pressure across the knee and lower leg, helping to prevent knee and back problems.

Constructed with three layers of durable, comfortable materials, the POCKET M2 provides excellent shock absorption and support. Precisely designed flex zones offer optimal flexibility and ventilation.

The specially developed ArmorTech™ layer for FENTO adds a puncture-resistant textile layer, offering extra protection against sharp objects.



ARMORTECH FABRIC™

Textile layer with puncture resistance for extra protection.



DURABLE OUTER LAYER

is lightweight and offers extra resistance against wear. The flex zones in the knee pad provide ventilation and flexibility. Materials: EVA, polyester, PU.

UNIQUE ERGONOMICS

FENTO Wedge evenly distributes pressure across the knee and lower leg to prevent knee and back problems.

LONG-LASTING COMFORT

The high-quality, extra thick EVA inner layer provides excellent comfort, shock absorption, and durability.



reddot winner 2025



DESIGN
AWARD
2025



FENTO BOARD

Specially made to create extra mobility

The FENTO BOARD is an ergonomic knee board designed for extra mobility. Keep it nearby on the floor, take it with you easily, and use it wherever you need it. The ergonomic FENTO Wedge ensures even pressure distribution across the knee and lower leg, helping to prevent knee and back problems.

It's light enough for easy carrying, but

heavy enough to stay in place, even outdoors.

The FENTO BOARD is hard-wearing and features a strong anti-slip bottom and a broad surface for extra stability.

With an EN 14404:2010 Level 1 rating, this kneepad offers protection against pebbles, nails, and various floor and soil types.

PERFECT WEIGHT

Just enough weight to not be blown away by the wind.

DURABLE MATERIALS

Hardwearing outer layer.

WATER REPELLENT OUTER LAYER

with wide support area for maximum stability.

EASY TO CARRY

Handle on top improves mobility.

UNIQUE ERGONOMICS

Distributes pressure over knee and lower leg to prevent knee and back problems.





FENTO BOARD M2

Designed for maximum protection and comfort

The FENTO BOARD M2 is an ergonomically designed knee board, specifically developed for comfort in rough working areas. Its unique FENTO wedge shape ensures even pressure distribution over the knee and lower leg, helping to prevent knee and back problems.

The BOARD M2 features a soft, shock-absorbing PU top layer that is waterproof,

easy to clean, and features both anti-static and flame-retardant properties.

Its wear-resistant bottom layer enhances stability, protection, and slip resistance.

Additionally, the magnetic tool tray is a handy feature that prevents you from losing small parts during assembly or disassembly.

UNIQUE ERGONOMICS

The FENTO Wedge distributes pressure evenly over the knee and lower leg to prevent knee and back problems.

WEAR-RESISTANT BOTTOM LAYER

provides more stability and additional resistance to wear. Suitable for use on all surfaces, both indoor and outdoor. Materials: PU, PVC label, magnet.

COMFORTABLE TOP LAYER

The soft and shock-absorbing PU top layer is waterproof, easy to clean, and has antistatic and flame retardant properties. The high-quality material does not dent after repeated use.

TOOL TRAY WITH MAGNET

The tool tray is equipped with a strong magnet so you won't lose anything.



reddot winner 2025



DESIGN
AWARD
2025



FENTO ROOFER

High traction, ergonomic knee pads designed for roofers

The FENTO ROOFER is an ergonomic knee protector designed for superior traction on any type of roof. Built for daily use, its durable 3-layer construction ensures excellent pressure distribution across the knee and lower leg, helping to prevent knee and back problems.

The ROOFER features a thick, durable rubber layer crafted from the same premium material used in high-quality work boots. Designed by FENTO, the custom tread pattern and surface texture deliver exceptional traction on all surfaces.

QUICK-RELEASE BUCKLES

Inlay evenly distributes pressure over knee and lower leg to prevent back and knee problems.



EXCEPTIONAL TRACTION ON ALL SURFACES

The water-repellent, highly durable rubber layer features a specially designed tread pattern that enhances traction on all surfaces, making it ideal for any rooftop.

COMFORTABLE PU-FOAM

Soft, sweat-wicking and compression-resistant PU foam top layer provides lasting comfort.

SUPPORTIVE EVA-FOAM

Lightweight and medium-firm mid-layer that molds to the knee over time, offering excellent support.

ERGONOMIC DESIGN

The wedge shape provides unique pressure distribution which gradually distributes pressure over the knee and lower leg, to prevent knee and back problems.



reddot winner 2025



FENTO HOME

Designed to be used in and around your own home

The FENTO HOME is our only knee pad designed for use by consumers instead of professionals. The knee protector was developed based on our expertise in the professional market. The FENTO HOME also prevents knee and back problems by distributing the pressure evenly across the knee and lower leg. The product is comfortable, flexible and water-resistant.

Replaceable accessories for the FENTO HOME:

- ✓ Elastics
- ✓ Clip Elastics

UNIQUE ERGONOMICS

The wedge shape distributes pressure over the knee and lower leg to help prevent back and knee problems.

EXCEPTIONAL COMFORT

Comfortable knee protection during all your Do-It-Yourself projects.

REPLACEABLE ELASTIC BANDS

The replaceable bands do not pinch.



PREMIUM QUALITY

Compression-resistant, durable and shock absorbing polyurethane foam for long-lasting protection and reliability.

DUAL LAYERED

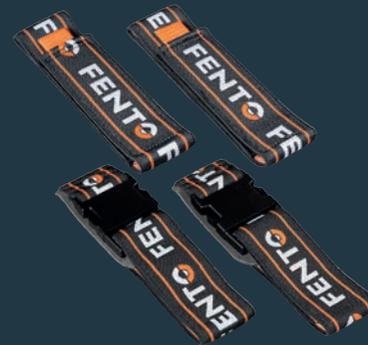
The hard outer layer provided protection, the soft inner layer ensures comfort and ergonomics.



REPLACEABLE PARTS

FENTO INLAYS

The inlay is developed for the FENTO ORIGINAL and MAX. Once the inlay has become worn after repeated use and no longer offers comfortable cushioning, you can replace only the inlay instead of the entire knee pad.



FENTO ELASTIC STRAPS WITH VELCRO AND CLIP

For the FENTO ORIGINAL, MAX and HOME we use elastic straps adjustable with Velcro. The straps don't pinch behind the knee.

The standard Velcro straps are exchangeable for Clip Elastics, which feature a quick release buckle, designed for professions where Velcro is quickly saturated with debris.

FENTO PROTECTIVE COVERS

These protective covers prevent dirt, sand or gravel getting between the knee protector and the knee. These protective covers can be attached to the FENTO ORIGINAL and the FENTO MAX.





FENTO RECOMMENDED

Numerous leading brands worldwide choose FENTO.



"Our experience is that true craftsmen and craftswomen choose FENTO."

*Pieter Vermeer
Head of Bowork.nl*

Parquet is mainly laid on the knees, which is why professional knee pads are very important for parquet layers. They reduce the risk of accidents at work and protect the knee from chronic illnesses and signs of wear.

FENTO knee pads are very popular with our customers because they allow them to work comfortably on their knees. Thanks to the high-quality design, the price-performance ratio is also right, so that FENTO products are bought again and again.

*Patrick Scholz
Branch Manager, Hinterseer GmbH*

"We have sold the FENTO knee protectors for almost 10 years - ever since iTOOLS introduced them in Denmark. And since then, the FENTO knee protectors have become an increasingly important part of our PPE-portfolio. Because when our customers first decide to invest in the relatively expensive FENTOs, they'll never buy another brand of knee protectors."

Camilla Bülow
Head of Department
Workwear & Protective Clothing



"FENTO not only cares about your paving but also about your body."

Berry van der Scheer
Store/Warehouse Manager
Mechanisatie bedrijf Bonnhof B.V.

"With FENTO, we offer a complete range of PPE (Personal Protective Equipment) products. This comprehensive assortment positions us as a strong player in the market."

David Watt
Business Development Manager Footsure

THE RIGHT IN-STORE BRAND EXPERIENCE



FENTO SPONSORSHIPS



FENTO

- ... is a member of the Contract Flooring Association. The CFA represents manufacturers active in the project-based flooring market in England
- ... sponsors the students of the HMC (Hout- en Meubel College) in Amsterdam
- ... sponsors various academies of adhesives and flooring manufacturers, such as Tarkett, Shaw, Forbo, Bostik, Mapei and Ardex
- ... sponsors the NK Parquet Laying, an annual laying competition (Dutch championship)
- ... sponsors the NK street making (Dutch championship)
- ... sponsors the VHG (Dutch association of gardeners)



1. Under heavy conditions this paver works with FENTO's
2. The product- and application technicians from Mapei Austria GmbH use FENTO Knee protectors during the technical courses and demonstrations
3. Floorlayer busy during the Dutch Championships Parquet Laying
4. FENTO is protecting the future Flooring apprentices at Derwentside College (UK)

ONLY THE BEST MATERIAL IS GOOD ENOUGH FOR YOUR KNEES

CONTINUOUS INNOVATION

The FENTO R&D team is working full-time to improve the knee pads in our portfolio, as well as focusing on the development of new innovative ergonomic knee pads. FENTO is in full control of the design and development of their own knee pads, which ensures we achieve the top quality that we are known for.

HIGH-END MATERIALS

FENTO uses only premium materials which we make sure last a long time. FENTO has an in-house testing laboratory to test all new materials, to inspect whether they can handle being compressed for a long period, or to see if they have the perfect hardness.

TESTED BY END-USERS

All our products are thoroughly tested by a user testing panel from professions across the board, we actively incorporate user feedback into our products when we adjust the prototypes and test again. By doing this we ensure to create knee pads that are truly a one-size-fits-all solution.

VERY THOROUGH QUALITY INSPECTIONS

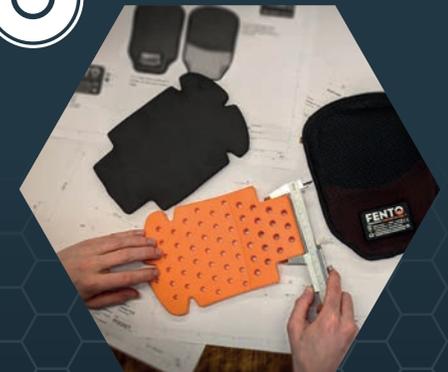
Our products are tested thoroughly each production batch on measurements, hardness, weight, production quality in different climates. All FENTO-products are tested for: Penetration resistance, force distribution, peak force test and compression set in an external laboratory.

MADE TO LAST

FENTO's approach to sustainability is to make our products long-lasting: all our materials have been engineered to be very tough and wear resistant. To increase the lifetime of our products, we have made all parts that wear down, like the elastic straps and soft inner foam, replaceable. This could increase the lifecycle of a FENTO product, compared to a competitor knee pad, by three times.

RECYCLABLE PACKAGING

We have adjusted all our plastic packaging to a new minimally designed cardboard packaging. Since we made this change, we have saved thousands of kilos of plastic, and all packaging material of FENTO-products are now recyclable in the same recycling bin.





CRAFTSPEOPLE ABOUT FENTO



"What a fantastic board, that FENTO Board. And what great support for the lower legs. It feels good for your knees and, moreover, good for your back. As a person in their 60s, I can keep going for a long time thanks to that!"

*Rob Schneiders
Painter
Schneiders Schilderwerken Bergschenhoek*



"I have been using FENTO knee pads now for a number of years. I find them to be very supportive, reducing the risk of injury and fatigue. Not only that, I also often forget I am wearing them. They are so comfortable!!"

As the head of training at 'F Ball & Co Ltd' I deal with flooring installers daily, and I continually promote the use of the FENTO knee pads. Floorlayers and trade persons should not only invest in the correct PPE, but they should invest in the BEST PPE."

*Tim Green
Floorfitter
F. Ball and Co. Adhesives*



"Since I started as a carpenter 4 years ago, I've been using FENTO's. I think they're great to work with. They are light, and I don't feel them when I have them on. As a result, the work becomes much less tiring."

*Jelle Verwoerd
Timmerman
Jelle Verwoerd Timmerwerken*

HAPPY USERS ALL OVER THE WORLD





FENTO

ERGONOMIC KNEE PROTECTORS™

Providing ergonomic, innovative, premium and sustainable best in class knee protection to all professional end users.

FIND US ON SOCIALS



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100% COMFORT & LIFE-CHANGING ERGONOMICS

A LIFE WITHOUT KNEE & BACK PROBLEMS

FENTOKNEEPROTECTION.COM



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