

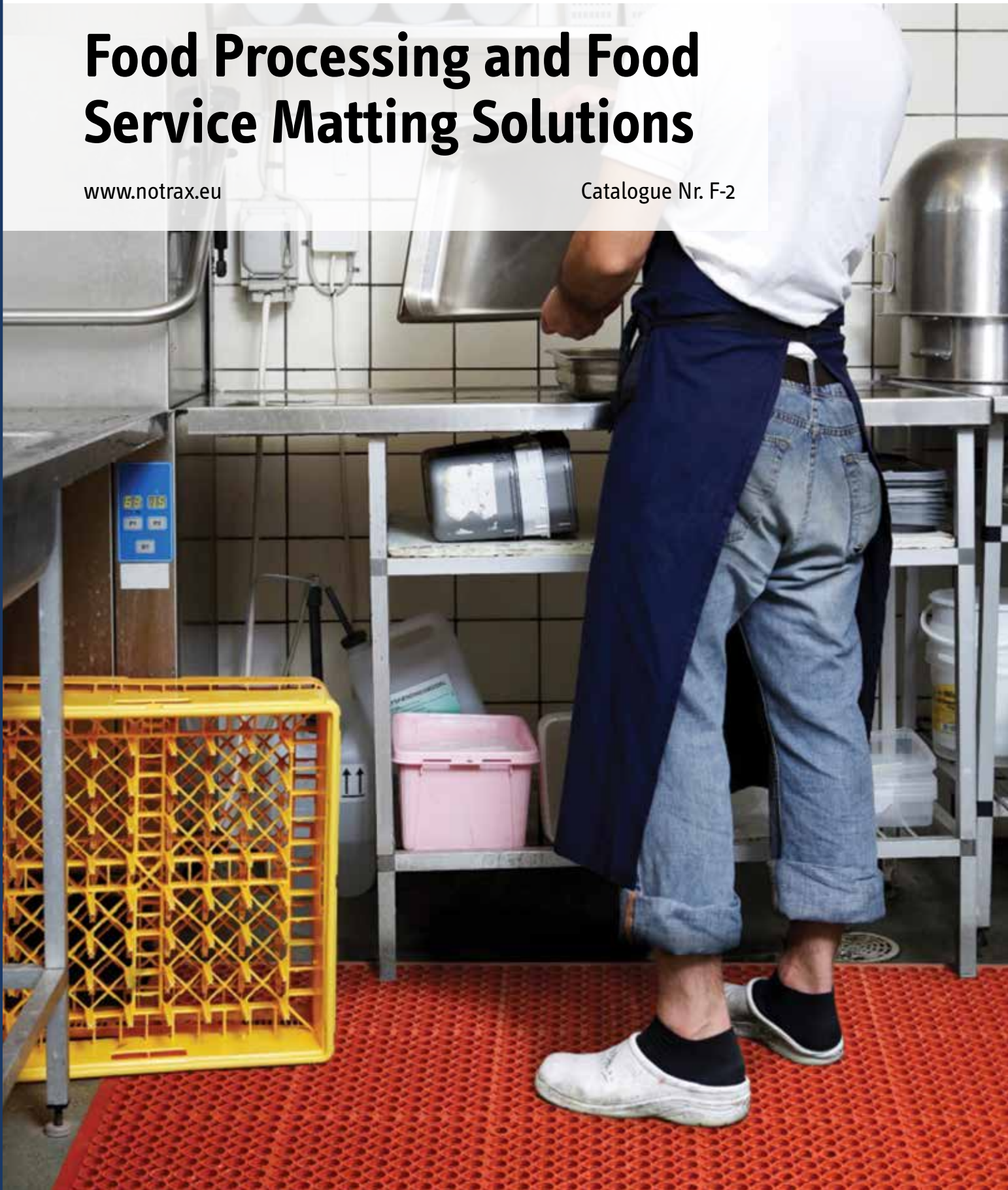


Justrite Safety Group

# Food Processing and Food Service Matting Solutions

[www.notrax.eu](http://www.notrax.eu)

Catalogue Nr. F-2



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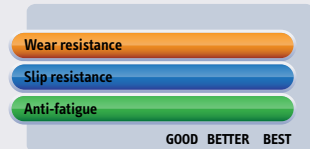


# Notrax® Matting Testing & Pictograms

All Notrax® Floor Matting Products are subject to rigorous testing by independent laboratories prior to their introduction to the market. Our Product Testing Charts show the following relative comparisons between the Notrax® mats featured in each category of this brochure:

## Example Product Testing Chart

### PRODUCT TESTING



### Wear resistance

Indicates the time it takes for a mat to lose its functionality. This is an accelerated wear test where the results are expressed in total weight loss of material when subjected to 5000 cycles under an abrasion wheel. The higher the pointer in the test chart, the greater its resistance to wear.

### Slip resistance

Indicates the slip resistance of a mat. This test measures the force required to cause slippage of a load across the surface material. The coefficient is the ratio of force required divided by the weight. The higher the pointer in the test chart, the greater the coefficient of friction ratio, thus the better the slip resistance of a mat.

### Anti-fatigue

Indicates the degree of comfort a mat provides. This test starts by measuring the original thickness of a mat. Then compression is applied and the thickness under this load is measured again.

The difference between the two measurements is called deflection. The higher the pointer in the test chart, the better its anti-fatigue properties.



#### Anti-Fatigue

Matting that alleviates foot pressure, stimulates blood circulation and helps reduce stress on the lower back, leg joints and major muscle groups.



#### Anti-Slip

Matting designed to provide added traction through aggressive surface patterns and textures.



#### Oil Resistant

Matting suitable for contact with industrial oils.



#### Welding

Made of durable fire retardant rubber compounds. These mats can be used in areas where welding takes place.



#### ESD

Matting formulated to absorb static electricity. Avoids unpleasant static shock and safeguards equipment.



#### Fire Retardant

Matting designed to resist the spread of fire and withstand heat, substantiated by test certifications from independent laboratories.



#### Grip Step®

Coating for extra adherence in extremely slippery areas. Slip resistance up to R13 according to DIN 51130.



#### Drainage

Open construction matting allows for liquids and debris to pass through, providing secure footing in a wet environment.



#### Protection

Absorbs impact, reduces breakage and protects floors.



#### Non-Conductive

Matting formulated to provide insulation to protect workers in case of electrical shock.



#### Wheeled Access

Matting suitable for wheeled access (i.e. carts).



#### Insulation

Against cold, heat, vibrations and noise. Matting elevates standing workers from cold/wet floors, which keeps their feet warmer thereby improving overall perception of wellbeing.



#### Heavy Duty

Recommended for heavy duty use in industrial environments.



#### Medium Duty

Recommended for medium duty use in industrial environments.



#### Light Duty

Recommended for light duty use in industrial environments.



#### Modular System

Interlocking mats allow on-site customization with snap together units that can be assembled in any shape or form, as standalone mats or wall-to-wall configurations.



#### Cold Resistant

Material can withstand freezing temperatures.



#### Grease and Oil Resistant

Matting that is suitable for use in contact with vegetable oils and animal fats.



#### RedStop™

This uniquely engineered technology virtually eliminates the slipping and sliding of mats.



#### MicroStop™

Antibacterial treatment inhibits the growth of micro-organisms such as bacteria and fungi that can cause odour, stains, and product deterioration.



#### NFSI®

Tested and certified by the National Floor Safety Institute.



#### NSF

Tested and certified by the National Sanitation Foundation for grease and oil protection and durability.



#### Barefoot

Pleasantly soft and warm under bare feet.



#### Cleaning

Suitable for cleaning with high pressure (hot) water jet.

# Notrax® Mats for Professional Use

Notrax® offers the perfect solution for standing workers because unlike any other industrial safety matting manufacturer, we understand the difference of perceptions of workers as well as the variety of workplace conditions that exist. We therefore design and manufacture the largest range of safety matting to provide the right solution.





Founded in 1948 by Charles J. Wood (far right).

Notrax® is often referred to as one of the pioneers in anti-fatigue matting design and manufacturing. This is not surprising because since our founding in 1948, we have been committed to making quality products and optimizing processes.

Anti-fatigue mats come in various types and materials for industrial or commercial applications. Most anti-fatigue matting is a combination of an ergonomic pattern and a cushioning underlay. The cushioning causes constant subconscious balance checks and micro movements that stimulate blood flow through the legs and lower extremities. This results in better circulation and less fatigue. The cushioning underlay insulates the feet from the hard surface, cold floors, vibrations, moisture and sound.

**Product Innovation**

As one of the market leaders in anti-fatigue and safety matting, Notrax® Mats for Professional Use has become synonymous with quality, flexibility and customer service. What started as a small family-owned mat repair company has quickly grown to a global company. Now, as part of the Checkers Safety Group, we excel in the design and manufacturing of anti-fatigue and safety matting for industrial and commercial applications.

As the industry and manufacturing processes evolve, so do our matting products. We are constantly developing new products to meet the changing needs of the industry. We focus on customer problems and working together with them to create matting solutions that resolve the issue. Our innovations team continues to design state-of-the-art products through intense research and development using new technologies, new design techniques and new ideas.

Notrax® products are sold globally through our trusted distributor network of matting experts, operating in niche segments of ergonomics, cleaning and hygiene, health and safety, industrial supplies, installation experts, and many more. Understanding and responding to the markets specific needs reflects our interest and pleasure in serving our distributors and their customers. Examples of this include the development of mass customization capabilities and online integration with customers. As one of the world's largest integrated manufacturers of professional floor matting products, our belief in strong relationships is the foundation of our business.

With facilities in Europe and the United States, we constantly seek to reduce the environmental impact of our processes. It means that we aim to grow our business in an environmentally responsible manner, and we do this by focusing on diminishing waste, using recycled materials where possible, and by obtaining more materials from sustainable sources. The "Lean" organization of our operations not only enables us to stay competitive and provide fast service, it also enables our customers to

participate in a joint effort to reduce the carbon footprint simply by making use of our electronic purchasing and invoicing services and drop shipment capabilities.

**R.E.A.C.H.**

REACH is the European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with the Registration, Evaluation, Authorisation and Restriction of Chemical substances. The law entered into force on 1 June 2007 assigns manufacturers the responsibility of providing high level human and environmental protection from the use of chemicals in manufacturing. Notrax® does not use any substances currently included on the SVHC (Substances of Very High Concerns) list under REACH, including Di-octyl phthalate (DOP) plasticizer. Further information about our stand on sustainability can be obtained at [www.buynotrax.eu](http://www.buynotrax.eu) for registered distributors or upon email request to [europa@checkers-safety.com](mailto:europa@checkers-safety.com).

**Product Warranty**

All Notrax® floor matting is manufactured of the highest quality material and workmanship. Dependability and service of our products are guaranteed against defects in material for one year from date of purchase provided manufacturer's recommended usage and maintenance is followed. Buyer has the responsibility to determine the suitability of the product and assumes any liability in connection with such use. Seller shall not be liable for damages in excess of purchase price of product. In the unlikely event of a Notrax product being faulty, a full refund or replacement (based on manufacturer's discretion) will be made. Warranty claims must be authorized for return and shipped prepaid for inspection and evaluation. For information about floor matting maintenance: [www.notrax.eu/news](http://www.notrax.eu/news).

This catalogue highlights the solutions Notrax® offers for your ergonomic anti-fatigue and safety matting applications. Feel free to also ask for the latest Notrax® brochure for Dust Control Matting for entrance ways.

Thank you for choosing Notrax®.

René Vieven  
Managing Director

Checkers Safety Group Europe BV



# Benefits of Anti-fatigue Matting

In many industries, employees are required to work while standing, walking and/or carrying loads. Experts agree that matting can significantly improve productivity and employee satisfaction while reducing absenteeism and chronic illnesses related to long term standing.

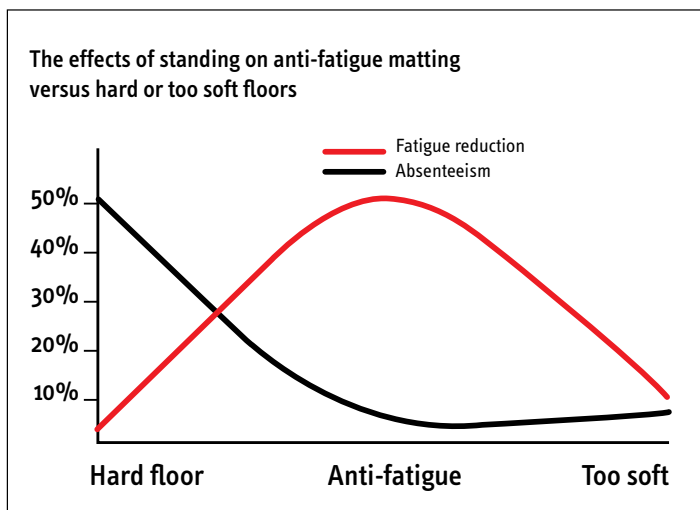


## How Anti-Fatigue Matting Works

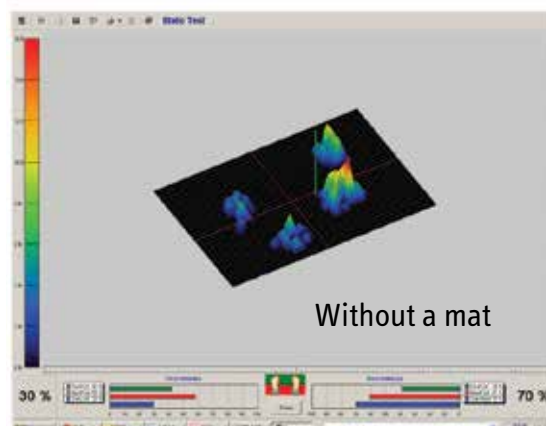
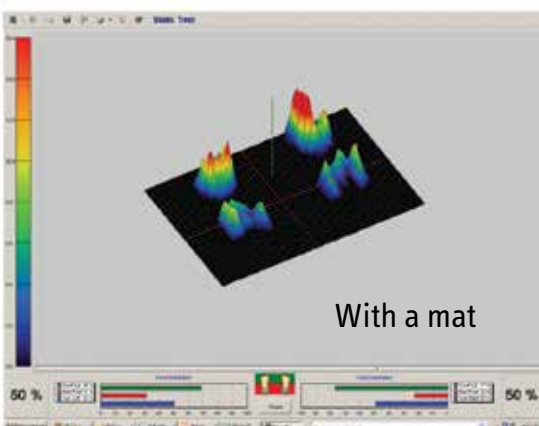
How an anti-fatigue mat works is well described in an article that was published in the April 1999 issue of "Occupational Health & Safety", written by James M. Kendrick: "Anti-fatigue mats are engineered to make the body naturally and imperceptibly sway, which encourages subtle movement by calf and leg muscles. This promotes blood flow and keeps it from stagnating in the veins, which causes workers to feel fatigued."

Standing on hard surfaces for long periods causes muscles to constrict, which reduces the blood flow. This makes muscles and joints hurt, and it causes blood to stagnate. Long-term standing causes pronation, or excessive flattening of the foot and can also lead to plantar fasciitis. Lower back pain is highest in workers who stand 4 hours or more per day.

As noted by Mr. Kendrick, the cushioning effect of anti-fatigue matting allows continuous micro-movements of the feet, which minimizes blood pooling in the legs. There is good reason to believe that reduction of fatigue also reduces the possibility of accidents and improves general work efficiency. There are fewer days lost to injuries, fewer medical claims, and compliance with new health and safety requirements.



Too much cushioning can have a negative effect. Too great an amount of softness or "give" will actually cause excessive fatigue because it overworks the muscles. Think of it like jogging on the beach. Notrax® floor mats are made of specific formulations and designs that provide fatigue relief which will contribute to increased productivity and employee satisfaction.



## Scientific Support

Early studies such as Morgora (1972) showed that the incidence of lower back pain was highest in those workers who stood regularly for periods of more than four hours and Bousseman et al. (1982) brought to light that long term standing is a direct cause of pain and discomfort.

Subsequent research carried out by Dr. Mark Redfern and Dr. Don Chaffin at the Centre for Ergonomics, University of Michigan in 1988, and Paula Hinnen and Stephan Konz at the Department of Industrial Engineering, Kansas State University, 1994, made observations of the difference between standing on hard floors versus standing on soft floors. Both their studies concluded that mats significantly affect fatigue and comfort in different body regions.

More recent studies by Prof. Dr. Redha Tairar (2011, 2015, 2017) at the University of Reims in France illustrated how human mechanics in a working environment are impacted through the use of anti-fatigue mats. By observing workers' posture and measuring foot pressure for employees standing for long periods, Prof. Tairar was able to identify two causes of fatigue and therefore a two-pronged approach in combating the muscular-skeletal disorders associated with long-term standing.

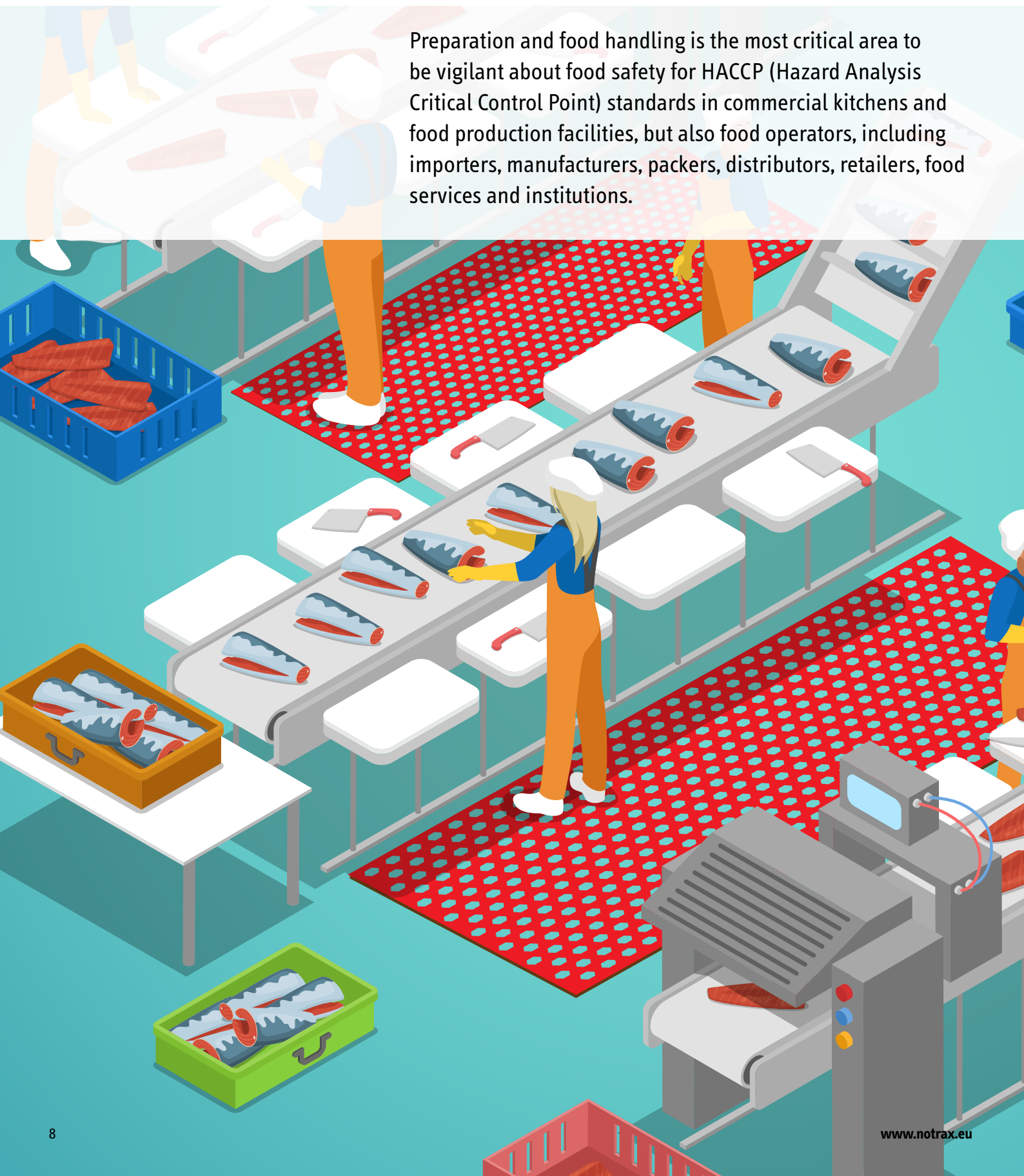
Firstly, the worker should vary foot pressure while standing to eliminate the overuse of the same muscles (Cinderella Fibers). Secondly, using an anti-fatigue mat eliminates pressure points from the floor and spreads weight evenly to correct balance. Prof. Tairar's findings confirmed that pains are substantially reduced with the use of anti-fatigue mats compared to the initial situation without mats.

To request a copy of Prof. Tairar's research, Standing Smart, visit [www.notrax.eu](http://www.notrax.eu).



# Food Processing and Matting Solutions

Preparation and food handling is the most critical area to be vigilant about food safety for HACCP (Hazard Analysis Critical Control Point) standards in commercial kitchens and food production facilities, but also food operators, including importers, manufacturers, packers, distributors, retailers, food services and institutions.





The OSHA (Organization for Safety & Health Administration) cites “prolonged standing and repetitive or prolonged motions such as reaching, lifting, and chopping while preparing food in food preparation areas as one of the hazards for kitchen workers. Static postures may occur as workers continuously stand in one position while chopping or preparing food, causing muscle fatigue and pooling of blood in the lower extremities. The OSHA recommends employers to provide anti-fatigue mats in addition to avoiding static postures.

Kitchen workers often work in areas with extreme temperatures, cold for preserving food during cleaning, preparation and packaging, or warm during cooking and serving. Factory floors, particularly in the food processing industry, are often cold and wet. Floor mats elevate standing workers from cold floors. This helps keeping their feet warmer thereby improving the overall perception of well-being.



## 346 Sani-Trax™

This mat cleans and sanitizes shoes, recommended at entrances to all food processing areas. Thousands of flexible fingers provide an automatic scrubbing action that dislodges contaminants from footwear. As traffic passes, rubber tips bend under pressure to immerse soles in disinfectant solution, a double action that keeps contamination from reaching food processing areas. Convenient mat size fits most doorways. Suction cups on underside prevents mat from shifting.

### Specifications:

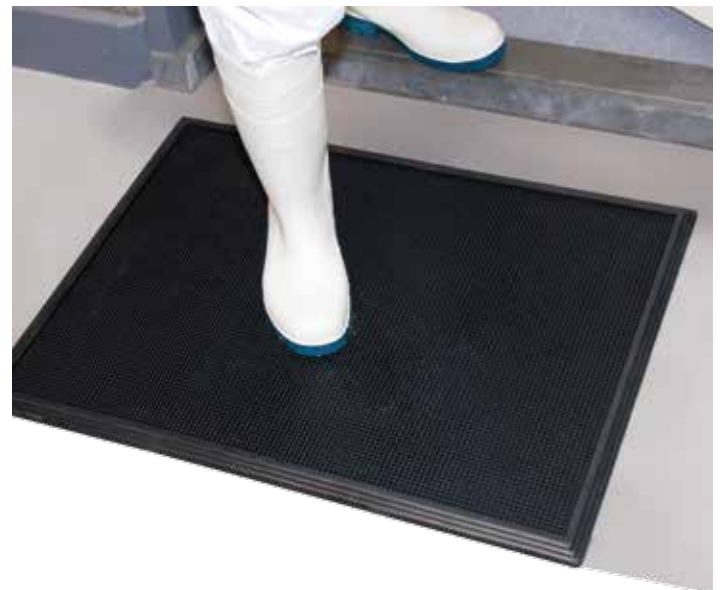
- Made of 100% tough natural rubber compound for general purpose applications; designed to resist to most chemicals and variations in temperature
- Overall thickness: 19 mm
- Weight: 10.8 kg per m<sup>2</sup>
- Thick surrounding border stands >0,635 cm higher than fingerscrapers to contain liquid disinfectant. Mat holds 4 litres of disinfectant solution. (Tip: use quaternary ammonium, iodine, chlorine or any other sanitizer but always test its concentration. Most sanitizers are concentrated and must be diluted before use in a footbath. Follow label directions for appropriate dilutions)
- Free of DOP, free of DMF, free of ozone depleting substances, free of silicone and free of heavy metals

### Recommended uses:

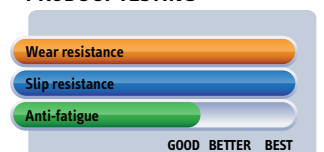
- At doorways, starter rooms, packaging areas, laboratories, employee locker rooms, break rooms, refuse areas and receiving rooms-any place where spread of contamination needs to be limited

### Size:

- 61 cm x 81 cm



### PRODUCT TESTING



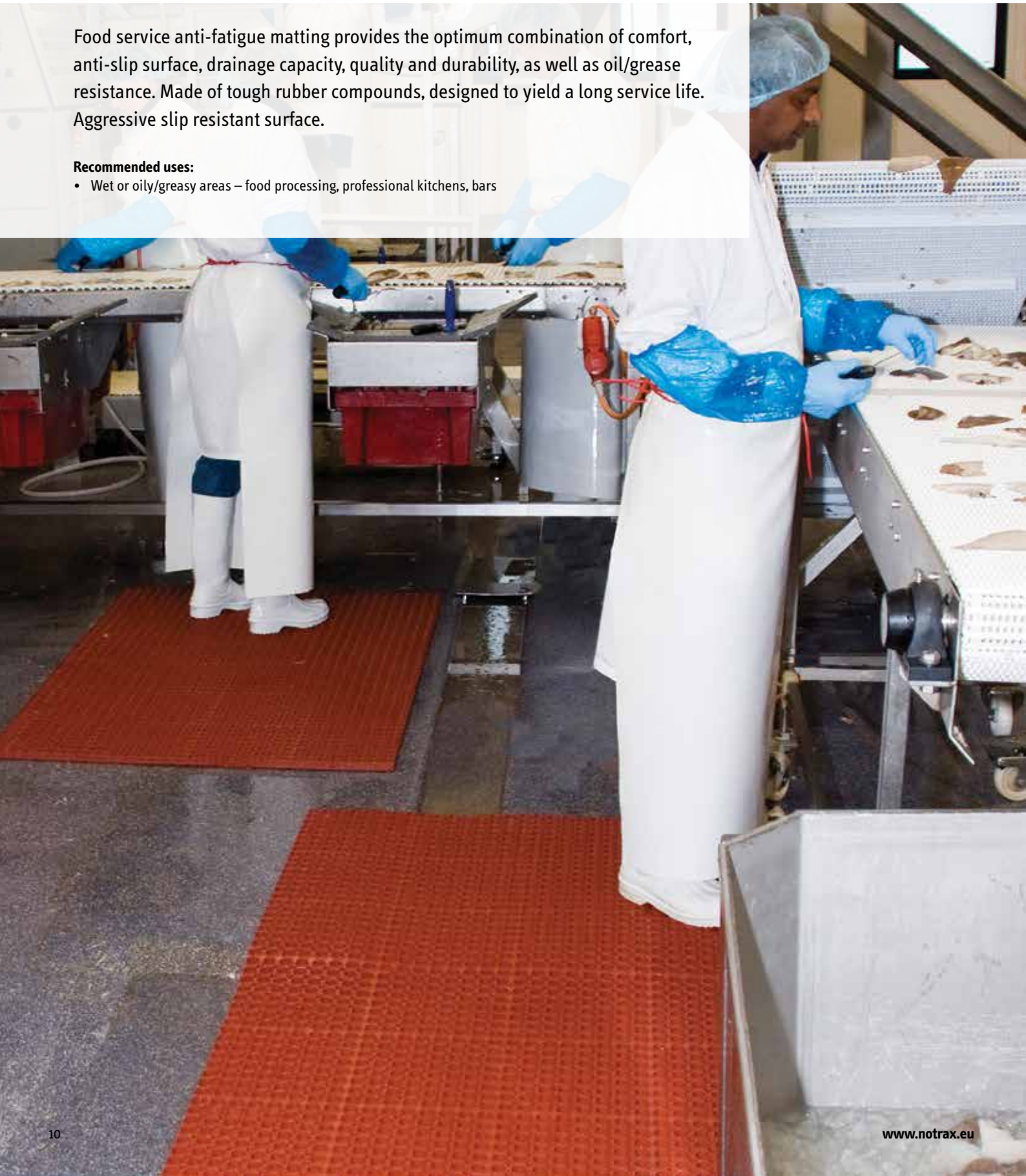
Wet/Dry and Greasy Areas - Food Processing and Food Service Mats

# Rubber Duckboards

Food service anti-fatigue matting provides the optimum combination of comfort, anti-slip surface, drainage capacity, quality and durability, as well as oil/grease resistance. Made of tough rubber compounds, designed to yield a long service life. Aggressive slip resistant surface.

**Recommended uses:**

- Wet or oily/greasy areas – food processing, professional kitchens, bars



## 563RD Sanitop Deluxe™ Red

Non-shifting: heavy weight keeps mat in place. Ergonomic benefit derived from 20 mm thick worker platform. Large drainage holes and raised studs provide aeration and allow fluids and debris to fall through, leaving the surface clear. Bevelled ramps are available to reduce trip hazards. Cleaning with detergent and water-jet is recommended for extended service life.

### Specifications:

- 75% nitrile rubber compound, resistant to oils and greases
- Overall thickness: 20 mm
- Weight: 12.3 kg per m<sup>2</sup>

### Colours:

- Red

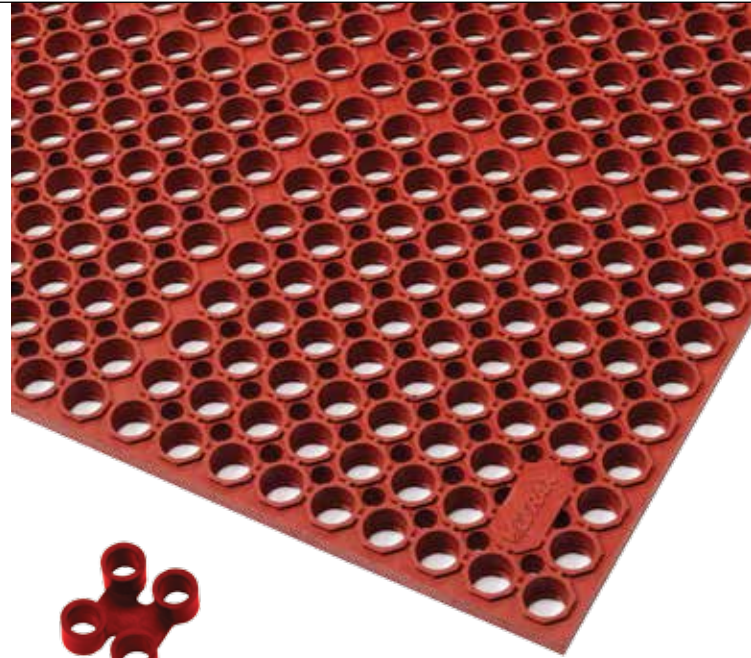
### Stock sizes:

- 91 cm x 152 cm

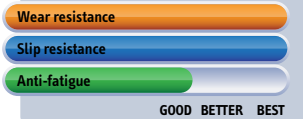
### Accessories:

- Connectors for widthwise or lengthwise expansion

563 Sanitop Deluxe™ is also available in a natural rubber compound for general purpose applications (page 43).



### PRODUCT TESTING



## 550RD Cushion Ease™ Red

Square snap together units of 91 x 91 cm that can be assembled effortlessly and laid out from wall-to-wall or as island in any direction or shape. Smooth slip resistant surface.

### Specifications:

- 75% nitrile rubber compound, resistant to oils and greases
- Overall thickness: 19 mm
- Weight: 10 kg per m<sup>2</sup>

### Stock sizes:

- 91 cm x 91 cm

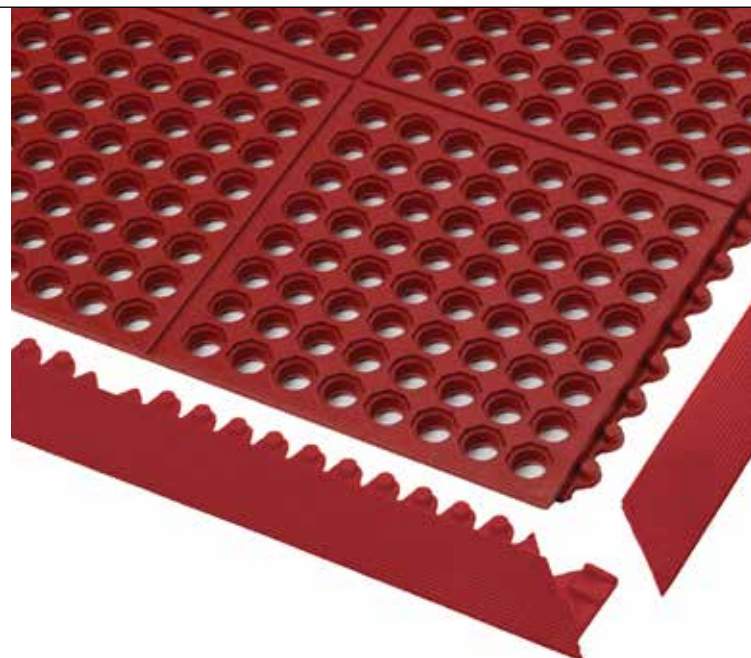
### Colours:

- Red

### Accessories:

- 551 MD Ramp System™ Nitrile male and female bevels in red, yellow and black

See the entire Cushion Ease™ and Cushion Ease Solid™ line (page 21 and 41).



### PRODUCT TESTING



Wet/Dry and Greasy Areas - Food Processing and Food Service Mats

# Ergonomy on Slippery Floors

These mats are designed to meet individual food industry requirements. Ergonomic benefit derived from a thick worker platform made of a tough yet resilient nitrile rubber compound that is resistant to vegetable oils and greases. Anti-slip surface provides sure footing. Bevelled edges prevent tripping on the mat. Cleaning with detergent and water-jet is recommended for extended service life.



## 458 Skystep™ Red

Standalone rubber mats have a gritted surface pattern with ergonomic bubble to provide maximum fatigue relief while maintaining its anti-slip properties. The mat is designed to suction to the ground to prevent the mat from shifting, and trap air in its chambers to create an ultimate cushioning effect while keeping the mat lightweight.

### Specifications:

- 75% nitrile rubber compound, resistant to oils and greases
- Overall thickness: 13 mm
- Weight: 10 kg per m<sup>2</sup>

### Recommended uses:

- Dry greasy areas – food processing, food packaging, food preparation areas and bars

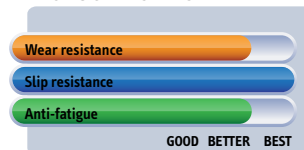
### Stock sizes:

- 60 cm x 90 cm
- 90 cm x 120 cm
- 90 cm x 150 cm

458 Skystep™ Red is also available in a natural rubber compound for general purpose applications (page 33).



### PRODUCT TESTING



## 562RD Sanitop™ Red

Provides basic comfort and traction in wet or greasy areas. Large drainage holes and raised studs provide aeration and allow fluids and debris to fall through, leaving the surface clear. Aggressive slip resistant surface.

### Specifications:

- 75% nitrile rubber compound, resistant to oils and greases
- Overall thickness: 12.7 mm
- Weight: 8 kg per m<sup>2</sup>

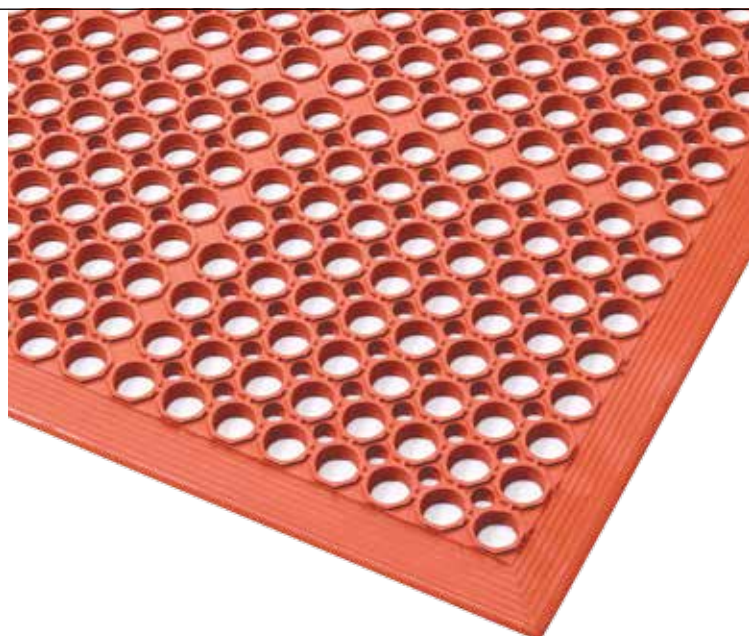
### Recommended uses:

- Wet or oily/greasy areas – food processing, professional kitchens, cooking lines, food preparation areas, bars and cleaning areas

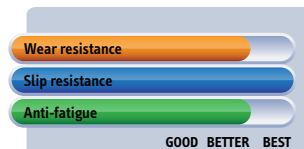
### Stock sizes:

- 91 cm x 152 cm
- 91 cm x 297 cm
- 91 cm x 594 cm

562 Sanitop™ is also available in a natural rubber compound for general purpose applications. (page 43).



### PRODUCT TESTING



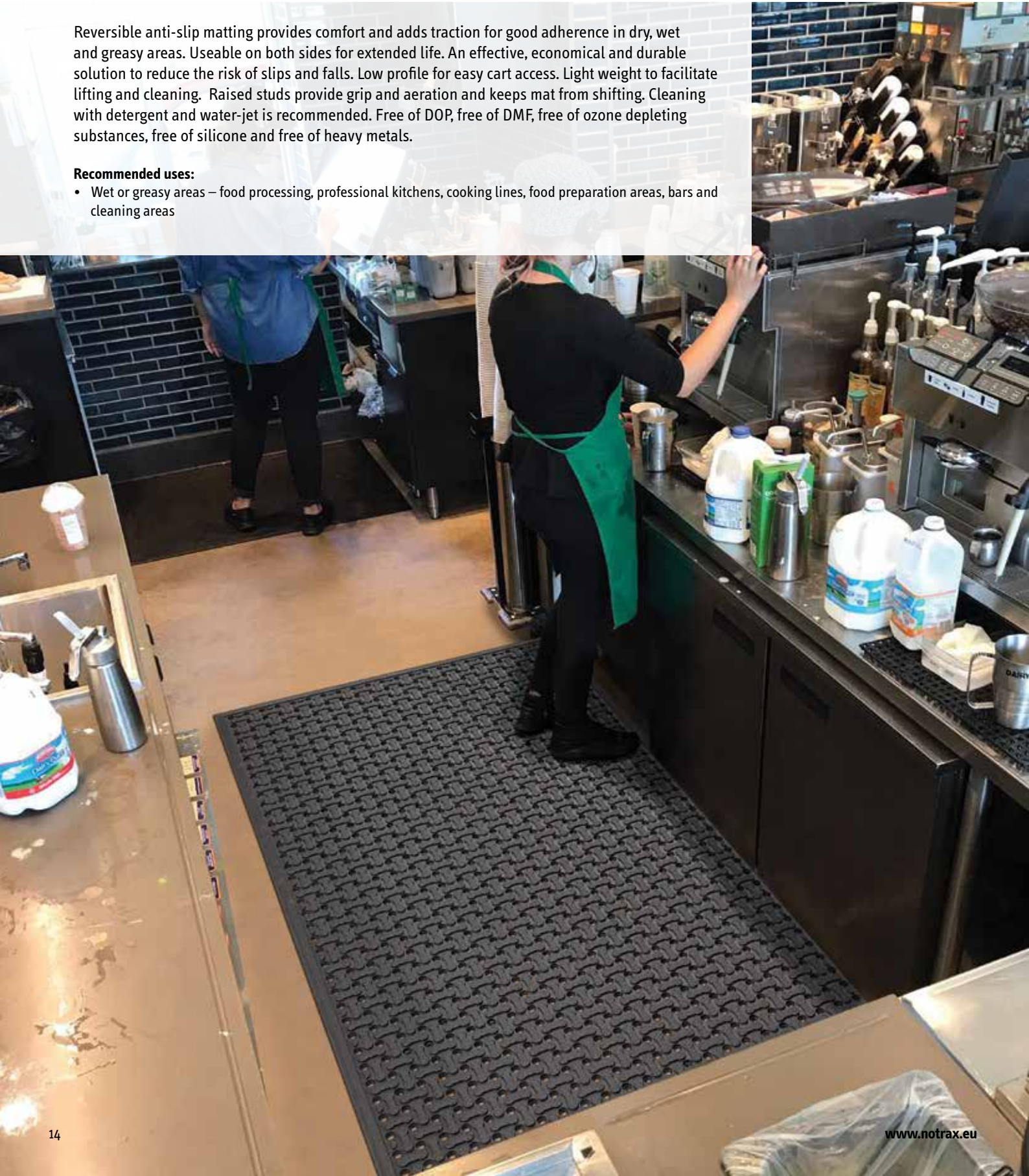
Wet/Dry and Greasy Areas - Food Processing and Food Service Mats

# Reversible Anti-Slip Mats

Reversible anti-slip matting provides comfort and adds traction for good adherence in dry, wet and greasy areas. Useable on both sides for extended life. An effective, economical and durable solution to reduce the risk of slips and falls. Low profile for easy cart access. Light weight to facilitate lifting and cleaning. Raised studs provide grip and aeration and keeps mat from shifting. Cleaning with detergent and water-jet is recommended. Free of DOP, free of DMF, free of ozone depleting substances, free of silicone and free of heavy metals.

**Recommended uses:**

- Wet or greasy areas – food processing, professional kitchens, cooking lines, food preparation areas, bars and cleaning areas



## 566 Superflow® XT

Reversible anti-slip mat is remarkably comfortable and usable on both sides for extended life. Its perforated woven surface is slip resistant surfaces while allowing instant evacuation of liquids in wet areas. Low profile for easy cart access and lightweight to facilitate lifting and cleaning.

### Specifications:

- 100% natural rubber compound for general purpose applications
- Overall thickness 8.5 mm
- Weight 8.8 kg per m<sup>2</sup>

### Stock sizes:

- 60 cm x 90 cm
- 91 cm x 152 cm
- 122 cm x 183 cm

### PRODUCT TESTING



## 567 Superflow® XT Nitrile

Oil resistant reversible anti-slip mat is remarkably comfortable and usable on both sides for extended life. Its perforated woven surface is slip resistant surfaces while allowing instant evacuation of liquids in wet areas. Low profile for easy cart access and lightweight to facilitate lifting and cleaning.

### Specifications:

- 100% nitrile rubber compound is resistant to most industrial oils
- Overall thickness 8.5 mm
- Weight 8.8 kg per m<sup>2</sup>

### Stock sizes:

- 60 cm x 90 cm
- 91 cm x 152 cm
- 122 cm x 183 cm

### PRODUCT TESTING



## T23 Multi Mat II®

Drainage holes for instant evacuation of fluids allow debris to fall through, leaving the surface clear.

### Specifications:

- 75% nitrile rubber compound, resistant to oils and greases
- Overall thickness: 9.5 mm
- Weight: 9.9 kg per m<sup>2</sup>
- Slip resistance R10 measured according to DIN 51130

### Colours:

- Black, Red

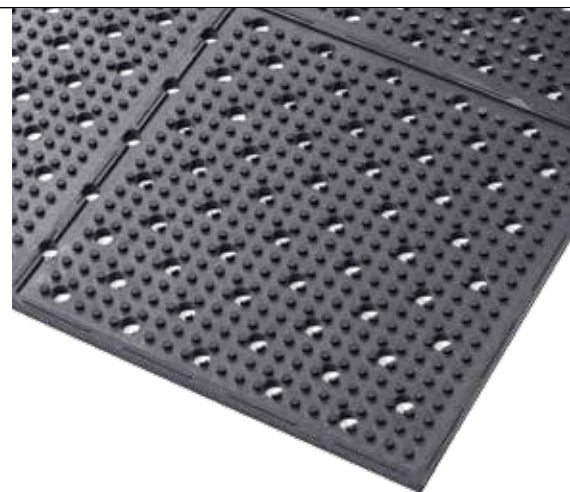
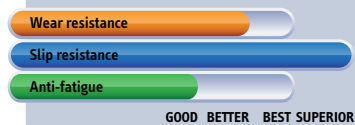
### Full rolls 9.75 m:

- 60 cm, 91 cm and 122 cm widths

### Stock sizes:

- 60 cm x 122 cm
- 60 cm x 244 cm
- 91 cm x 122 cm
- 91 cm x 244 cm
- 122 cm x 122 cm
- 122 cm x 244 cm

### PRODUCT TESTING



From dry to wet conditions, light to heavy duty, use this catalogue to choose the right Notrax® mat for the right application. It will contribute to increased productivity, employee satisfaction and fewer injuries.



[justrite.com](http://justrite.com)

Notrax® is part of Justrite Safety Group. Since 1906, customers have trusted Justrite for innovative solutions to help protect workers and the environment, reduce fire risks, and improve productivity. Tested for unsurpassed quality and compliance to applicable codes and regulations, Justrite products are available worldwide.