

#### **About MEGAComfort**

MEGAComfort Inc. is a leading-edge company which offers a complete range of original patented dual layer memory foam Anti-Fatigue insoles and orthotics, ergonomically designed by Podiatrist, Dr. Kevan Orvitz. MEGAComfort Anti-Fatigue Products have been clinically proven to reduce muscle fatigue and pain while increasing balance reactions as well as increasing comfort in multiple field tests. Since its inception MEGAComfort has been promoting the successful push away from costly standard floor matting as a viable cost effective alternative benefit for corporations focused on workplace health and safety.



Dr Kevan Orvitz
President and Founder

MEGAComfort has recently expanded its product offering to include additional high value and essential products for increasing workplace health & safety demands with the introduction of the Protection Line.

As a practicing Podiatrist with over 20 years experience in various parts of the world, I have studied all aspects of biomechanics and the human body as it relates to the lower extremity and the feet. As part of MEGAComfort's unique personal service and commitment to its valued clients, I am always available to answer any clinical questions in regards to our Products.

And that is my Personal Commitment to you!

# MEGAComfort Product Family - Anti-Fatigue Line

# Personal Anti-Fatigue Mat®

- ANTI-FATIGUE MATTING IN YOUR BOOTS®
- For maximum shock absorption and comfort
- For industrial footwear



# Personal Anti-Fatigue Mat® ESD

- ESD ANTI-FATIGUE MATTING IN YOUR BOOTS
- For maximum shock absorption, comfort & anti-static control
- For anti-static footwear



# **MEGASole**<sup>™</sup>

- GEL ENHANCED VIBRATION REDUCTION
- For optimal fit and everyday comfort
- For casual and leisure footwear



# **MULTI-Thotic**

- 3 IN 1 COMFORT ORTHOTIC SYSTEM
- Multiple orthotic supports without compromising comfort
- Extra support and enhanced performance
- For all footwear & orthotic (arch support)
- Rx Pack Optional add on wedging options



# **MEGAComfort Product Family - Protection Line**

# Pun<del>eture</del> Resistant

- Powered by Steel-Flex<sup>™</sup> Innovation
- Formed, carbon steel plate is tested for penetration resistance, meets and exceeds the criteria of ASTM standards
- Protects from sharp objects such as shards of glass, metal and nails
- Memory foam and arch support for maximum shock absorption and comfort
- Ideal for contractors, construction and renovation environments





- Powered by Steel-Flex™ Innovation
- Steel Toe meets or exceeds the impact performance criteria of ASTM2413-11
- Unique & effective tread design, providing exceptional slip resistance on typical walking surfaces
- Ideal for casual, temporary, management, clerical staff and visitors



# MEGA Sock

- $\bullet$  Made with 50% wool, 30% nylon, 15% acrylic, 4% other fibers and 1% spandex
- Anti-microbial, double thick yarn
- Boot length cut, with reinforced heel and toes
- Sold by the twin pack

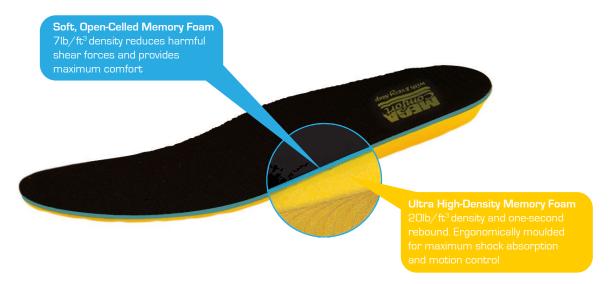


# Over 10 Years of Research & Development

US Patent # 8,832,969

All MEGAComfort Anti-Fatigue product offerings are uniquely designed using a patented combination of high density DUAL LAYER memory foam. The dual layers compress together and gently rebound with every step of the walking cycle ensuring 100% surface contact with the foot at all times.

All MEGAComfort insoles contain only 100% high density MEMORY FOAM with no cheap fillers or additives and are machine washable.



# WHAT IS MEMORY FOAM?

- Unique material and cellular structure different from regular foam
- Made up of billions of high-density memory cells
- Temperature and pressure sensitive
- Softens up with heat, firms with cold
- Absorbs flow evenly to follow the body's natural curve

# **RESULTS**

- **→** MAXIMUM Comfort
- → MAXIMUM Shock Absoprtion



# **Anti-Fatigue Line**



# **Unique Features**

Our insoles are specially designed to maximize the level of comfort for any type of foot, in any type of shoe, within any type of environment. Because of the vast variations in foot types, footwear and environmental conditions, each of our insoles has specific design features that ensure the highest possible level of support and comfort for virtually every situation. Along with the features that make each of our insoles unique, they also share similar features that define the unrivaled MEGAComfort standard. Some key features include:



Ergonomically Designed by a Podiatrist



Aeration Holes to Regulate Temperature



Original Patented
Dual Layer Memory
FoamTechnology



Anti-Fungal Anti-Bacterial Anti-Perspiration



Clinically Proven and Field Tested to Reduce Pain and Fatigue



Reduces Odor and Leaves Feet Smelling Fresh



Machine Washable



Silver Ion Anti-Microbial Technology

# Personal Anti-Fatigue Mat<sup>®</sup>

For Maximum Shock Absorption & Maximum Comfort Cost Effective Alternative to Anti-Fatigue Floor Matting

# **Additional Features**

- Soft contoured arch support
- Extra deep semi-hexagonal heel cup

# **Proven Benefits**

- Decreases foot, knee and back pain
- Reduces muscle fatigue
- Increases balance reactions
- Increases comfort and well-being
- Increases productivity
- Cost-effective replacement of anti-fatigue floor matting
- Enhanced durability and wear for all 3 layers
- Memory foam compresses for safe clearance in safety footwear





# Personal Anti-Fatigue Mat® ESD

For Maximum Shock Absorption & Maximum Comfort Meets or Exceeds ASTM Standards

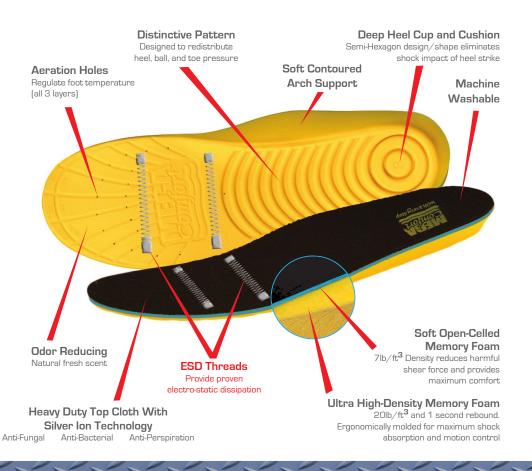
# **Additional Features**

- Soft contoured arch support
- Extra deep semi-hexagonal heel cup
- ESD Threads provide proven electro-static dissipation

## **Proven Benefits**

- Decrease foot, knee and back pain
- Reduces muscle fatigue
- Increase balance reactions
- Increase comfort and well-being
- Increase productivity
- Cost effective replacement of anti-fatigue floor matting
- Enhanced durability and wear for all 3 layers
- Memory foam compresses for safe clearance in safety footwear





# **MEGASole**<sup>™</sup>

For Optimal Shock Absorption & Everyday Comfort Gel Enhanced Vibration Reduction

# **Additional Features**

- MEGAGel Visco Technology
- For vibration reduction and added heel and arch cushioning
- Available in 6 unique sizes with 3/4 trim line
- Gel enhanced shock absorption
- Streamlined design for a better fit in most footwear

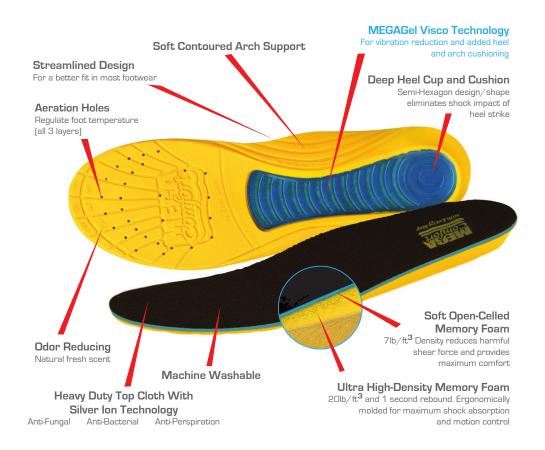
## **Proven Benefits**

- Decreases foot, knee and back pain
- Reduces muscle fatigue
- Enhanced durability and wear for all 3 layers
- Increases comfort and well-being





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For Extra Support and Enhanced Performance
Cost Effective Initial Replacement to Custom Made Orthotics

## **Additional Features**

#### Insole Base

- Maximum comfort dual layer memory foam technology
- Ergonomically designed
- Extra deep semi-hexagonal heel cup
- Soft and durable anti-microbial top cloth
- 3/4 Trim line
- Machine washable

#### Reattachable Orthotic ARCH SUPPORTS\*

- Choose and alternate between 2 different levels of support
- · Heat moldable medical grade polypropylene
- Neutral balance support bar
- First ray cut out
- Rx Pack Optional add on wedging options (Professionals ONLY)
  - \*patented

#### **Proven Benefits**

- Decreases foot, knee and back pain
- Reduces muscle fatigue
- Ergonomically designed by a podiatrist
- Increases balance reactions

- Increases comfort and well being
- Increases support and performance without compromising comfort

If you are a diabetic, suffer from chronic foot pain, persistent joint problems, have numbness in your feet or circulation problems, please check with your Medical Professional before wearing MULTI-Thotics





Between two different levels of Orthotic support (included with purchase)

 ${\bf Light\ green\ arch\ support\ for\ medium/regular\ arch\ type}$ 

Dark green arch support for low arch/pronation support

<sup>\*</sup>Further customization available through a medical professional

# **MULTI-Thotic**

For Extra Support and Enhanced Performance Multiple Orthotic Supports Without Compromising Comfort

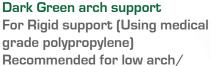
The MULTI-Thotic is a 3 in 1 Comfort Orthotic System that provides optimal and adaptable comfort and shock absorption while at the same time varying degrees of heel support, arch support and motion control depending on foot type, footwear, activity level and other factors.

While each person may have a different foot type classification, their footwear or activity also influences/changes what kind of support level they require. The MULTI-Thotic gives flexibility and choice to everyone. All pieces are inclusive at purchase and interchangeable thereafter.

# Choose your level of support

#### Light Green arch support

For Flexible support (using medical grade polyethylene) Recommended for medium/regular arch type



grade polypropylene) Recommended for low arch/ pronation support

# Insole base only (No add on pieces)

For Cushioned arch support only **Using Patented Dual Layer Memory** Foam Technology

The MULTI-Thotic also helps control abnormal foot motions, which can lead to the development of bunions, hammertoes, heel spurs, plantar fasciitis, Achilles tendonitis, metatarsalgia, neuromas, ankle, knee, hip and back pain.

# Know your foot type & Choose your Level of Support

While recommendations of rigidity are based on foot type, each person may have their own personal preferance. The advantage of the 3 in 1 Comfort Orthotic System is that you are able to change and alternate whichever combination gives you the best results.

The human foot can be subdivided into three major classifications based on arch type:

- 1. Low arched foot (flat planus foot)
- 2. Medium arched foot
- 3. High arched foot (cavus foot)

#### 1. Low Arch

Referred to as "pes planus" is a condition where the arch is reduced or not present and the entire soles of the feet touch the ground. Low arch feet are typically flexible, over-pronated feet in which the foot rolls inward and the arch collapses under the weight of the body. Extra support is required. As a result, over-pronation often leads to plantar fasciitis, heel spurs, medial knee discomfort, posterior tibial tendonitis (shin splints) and/or bunions. Typically a rigid support is preferred.

(Dark Green Orthotic piece + insole base)

#### 2. Medium Arch

Individuals with medium arch feet have a higher arch than a flat foot and are usually biochemically efficient. However, individuals with medium arches are still susceptible to pain and other problems as a result of everyday stress and strain. Typically a flexible support is preferred.

(Light Green Orthotic piece + insole base)

#### 3. High Arch

Referred to as "pes cavus" feet feature and extremely elevated arch. These feet are supinated with the heel and toes turning slightly inward and are usually rigid or semi rigid. The resulting poor shock absorption can lead to repetitive stress problems, including pain in the knees, hips and lower back. Foot problems often develop in the heel and forefoot such as plantar fasciitis, arch strain, metatarsalgia and claw toes.

Typically a cushioned versus rigid a support is preferred. (Insole base Only)



The different types of footwear themselves can be as diverse as the feet they surround, ranging from high heel shoes, to high top sneakers, to steel-toe safety boots and everything in between.

#### Activities, Footwear and other changes

Each type of footwear style brings with it a certain level or lack of comfort, fit, cushioning, shock absorption, support and motion control which can affect which arch support is most comfortable and appropriate.

In the same way, high impact activities on unforgiving surfaces usually require additional shock absorption.

The human foot can also change over time. Age, pregnancy, substantial change in weight, other systemic medical conditions, or even trauma are all factors that can cause the foot to change or function differently and consequently require different levels of cushioning and support.

While each person may have a different foot type classification, their footwear or activity can also influence, or even change the level of support they require. The MULTI-Thotic gives this flexibility and choice to everyone.

	MEGAComfort MULTI-Thotic	Leading Competitor
Maximum Comfort Dual Layered Memory Foam Technology	<b>✓</b>	Х
• Ergonomically Designed Stand-Alone Base	$\checkmark$	Х
• Extra Deep Semi-Hexagonal Heel Cup	$\checkmark$	Х
Soft and Durable Anti Microbial Top Cloth	$\checkmark$	Х
• 3/4 Trim Line	<b>✓</b>	Х
<ul> <li>Choose &amp; Alternate, without Compromising Comfort; Pairs of Patented Interchangeable Re-attachable Orthotic Devices</li> </ul>	<b>√</b>	X
Heat Moldable Medical Grade Polyethylene and Polypropylene	✓	Х
• First Ray Cut Out	$\checkmark$	Х
Neutral Balance Support Bar	$\checkmark$	Х
• Top Cloth Treated with Silver Ion Technology for Additional Microbial Protection and Temperature Regulation	<b>√</b>	X
• RX Pack - Optional Add On Wedging Options (Professionals Only) - Coming Soon	<b>✓</b>	x

1. Remove existing insole from footwear (recommended)



- 2. Place MEGAComfort insoles in footwear: -
  - YELLOW SIDE DOWN
  - CLOTH SIDE UP



## **Optional Feature**

Using sharp scissors, cut along either the size trim line or the 3/4 trim line (available in MULTI-Thotics and MEGASoles) for better fit where necessary.





Match the support piece to the outline indicated on the bottom of the yellow memory foam base, allowing the Velcro strips to match together

Attach the base and the selected support device together. Firmly apply pressure to make the support device and insole base one cohesive unit.

Ensure that the right (R) support device matches the right yellow base. This is made clear if you match the outline on the base to the support device.

Follow the same procedure outlined above for the left foot.

#### Choose your level of support options

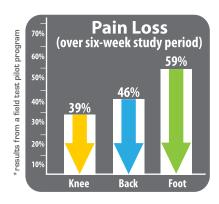
- Insole base ONLY, no support device.
   Cushion support only
- 2. Light Green support piece, for flexible support + insole base
- 3. Dark Green support piece, for rigid support + insole base

The support devices reattach so they are interchangeable at any time



If you are a diabetic, suffer from chronic foot pain, persistent joint problems, have numbness in your feet or circulation problems, please check with your Physician before wearing MULTI-Thotics.

# Science & Research



# **DECREASES**

- Injury rates and medical costs
- Muscle fatigue
- Foot, knee, hip, and back pain

# **INCREASES**

- Productivity
- Comfort and well-being
- Balance Reactions

**Science** 

**Corporate Benefits** 

Research & Testing

# The Need for Shock Absorption at the Feet

## Feet are the Foundation of the Body

- The weight bearing portion of the body while in the standing position is the foot. This also represents the foundation upon which the knee, hip and back will be affected long term.
- At the same time any lack of shock absorption at the level of the feet allows the force from heel strike to make its way up the body like a shock wave with every step.
- The harder and more unforgiving the floor or ground surface the greater the shock wave.
- All the joints and muscles from the ankles to the knees to the hips and the back will also feel the effects of this added pounding.



# **Cost Savings**

## Based on a 250 Employee Facility

"Brand Name" Anti-Fatigue Floor Mat 3 foot X 5 foot (average workstation area) - cost \$180.85 \$180.85 X 250 employees = \$45,212.50

MEGAComfort Personal Anti-Fatigue Mat® (PAM) Insole
1 pair - cost \$26.95
\$26.95 X 250 employees = \$6,737.50

TOTAL COST SAVINGS USING MEGACOMFORT INSOLES \$45,212.50 - \$6,737.50 = \$38,475.00



# Advantages over Standard Anti-Fatigue Floor Matting

MEGAComfort Insoles represent a superior and cost effective alternative for the selective relocation and/or replacement of expensive anti-fatigue floor matting.

#### Lower Costs & Maintenance

Costs are considerably lower than for floor mats and require less maintenance and are easy to clean (machine washable)

#### Personalized Comfort Zone for ALL workers (Stationary & Mobile)

Floor matting can only be used at stationary workstations and does not address mobile or outdoor work settings.

MEGAComfort Insoles are more effective because they work inside the footwear, in direct contact with the feet and body. The dynamic customization of MEGAComfort's patented dual layer memory foam give them an unmatched personal touch. Unlike standard anti-fatigue floor matting, each and every employee can now have their own individual personalized comfort zone everywhere they go.



# Advantages over Standard Anti-Fatigue Floor Matting

#### Reduce the Risk from Slips and Falls

Standard floor matting increases the likelihood of slips, trips and falls due to raised edges.

#### Easy to Install & Implement

MEGAComfort Insoles require no installation and can be implemented instantly.

#### Clinically Proven to Reduce Fatigue

MEGAComfort Insoles provide direct contact with the feet and body and therefore are far more effective than the standard anti-fatigue floor mats at reducing muscle strain, improving balance reactions and increasing blood circulation.

#### Transition away from Anti-Fatigue Floor Mats

We can help your company make that logical transition away from anti-fatigue floor mats to this safer, employee responsive, cost effective change. Based on proven research methods, a Pilot Test Program can be established for your company to help calculate the responses and benefits for the Personalized Anti-Fatigue Mat® (PAM®) Insoles inside your employees' footwear.



# Advantages over Standard Anti-Fatigue Floor Matting

#### Perfect for the Workplace

MEGAComfort Insoles with their distinctive patent pending characteristics meet all product safety standards, making it the perfect application for the workplace especially in the manufacturing, laboratory, warehouse, maintenance, service, health care, construction, military and retail industry, to name a few.

#### **Ultimate Ergonomic Solution**

MEGAComfort Personal Anti-Fatigue Mats® are the ultimate ergonomic solution for any individual standing or walking more than two hours a day on any hard surface. It is the ultimate ergonomic solution for employees in the workplace as a viable cost effective alternative to standard anti-fatigue matting or for areas that cannot have floor mats, where replacement costs of existing anti-fatigue matting has become too high or where risk of injuries from trips and falls has become too great.



# **Clinical Study**

EMG Muscle activity of an insole program in a manufacturing environment using MEGAComfort insoles.

#### Type of Employee:

Manufacturing employees at a large United States Toy and Games Manufacturer

#### Type of Floor: Concrete Flooring

#### Type of Work:

Primary tasks involved static and dynamic standing postures for 60% – 90% of their workday

#### Purpose of the study:

Workers complain of foot, knee, hip and lower back pain, especially when standing for long periods of time.

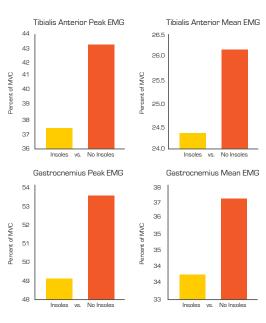
The study evaluated the effects of an insole program on lower leg EMG muscle activity in the manufacturing setting.

An electromyography (EMG) is used to investigate lower leg muscle responses with and without insoles while performing similar work related tasks on the manufacturing concrete floors.

#### Study Conducted By:

Professor Patrick Carley et al. American International College, Springfield, MA

# **Excerpt from Study Abstract**



"The 43 randomly selected employees participating in the EMG study demonstrated a reduction in muscle activity for both the Tibialis Anterior and Gastrocnemius muscles groups with the EMG data revealing an overall reduction in lower extremity muscle activity by 9.6 percent. More specifically, there was a statistically significant 13.7 percent reduction for peak Tibialis Anterior to 8.8 percent for Gastrocnemius using only the insoles from the insole program. The cumulative effect of reducing lower leg muscle activity compiled daily, weekly and annually can have an obvious beneficial benefit employees exposed to prolonged standing postures. Implications from the study suggest that other manufacturing, hospitality and industry settings consider the initiation of an insole program for those employees required to stand for at least 60 percent of their workday."

# Matting vs Insoles Study

Understanding balance reactions imposed by different floor mats and insoles

Presented by John Amell, Kevin Costello and Dr. Patrick Carley at the National Ergonomics Conference – Las Vegas November 2010

Purpose: "To investigate the influence of three different ergonomic mats and insoles on an individual's:

- Multidirectional reaction time
- Movement velocity
- Initial endpoint excursion
- Maximum excursion
- Directional control
- While being challenged at 100 % of one's limits of standing stability"

#### **Conclusions:**

Balance and Productivity can be affected positively by placing something between an employee and the ground. Materials of softer densities or durometers are better than hard or very firm materials. Having cushioning as close to the foot surface (for example an insole) is better for balance than if it is placed under the shoe (for example floor matting).

New Science proves that Insoles are Superior to Matting and that Softer Insoles are the Best!

# **Excerpt from Study Abstract**

Comparison Study of the 5 leading Industrial Insoles based on Personal Preference and Balance Reactions

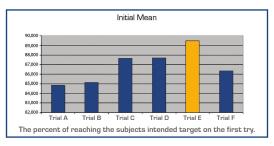
By Professor Patrick Carley et al. American International College, Springfield, MA Study Purpose:

To measure the relationship insoles have on dynamic standing balance reactions. Study Method:

The subjects' balance reactions were all challenged in eight different directions at the maximum of 100% of an individual's limits of standing stability.

#### Results:

MEGAComfort Insoles would be the best choice for standing job tasks requiring specific key strokes, accuracy of placing parts, task accuracy productivity and fine motor activities involving the hands.



The directional control of the subjects while standing on different insoles made of different materials. Trial E is the MEGAComfort PAM Insole

# **MEGAComfort Insoles Preferred over Competition!**

MEGAComfort Insoles ranked the highest in level of firmness, shock absorption, affect on balance, arch support, breathability and comfort.

# **Protection Line**













# MEGAComfort's New Product Expansion\*

**MEGAComfort** has recently expanded its product offering to include additional high value and essential products for increasing workplace health & safety demands, while maintaining its focus on Anti-Fatigue and now Protection.

**MEGAComfort** has partnered with Swenco Limited to develop a Memory Foam Puncture Resistant Insole as well as a Steel Toe Overshoe, both powered by Steel-Flex™ Innovation.

**MEGAComfort** has also introduced a tested & proven extremely durable Industrial MEGASock designed specifically for the work boot. It is made with 50% wool. Wool is a natural anti-bacterial agent, biodegradable earth friendly fiber and is the best choice for maintaining a stable body temperature in all weather conditions.



## **Comfort Benefits**

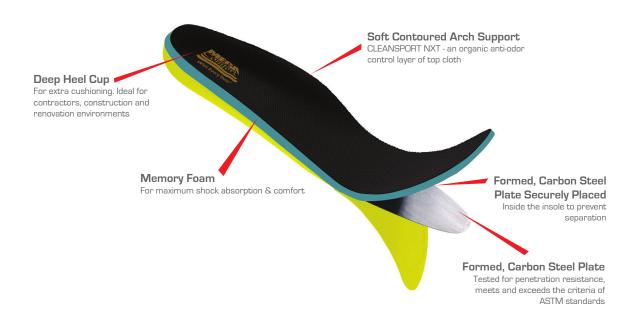
- Memory foam for maximum shock absorption & comfort
- · Deep heel cup for extra cushioning
- Soft contoured arch support
- CLEANSPORT NXT an organic anti-odor control layer of top cloth

# **Protection Benefits**

- Powered by Steel-Flex<sup>™</sup> Innovation
- Ideal for contractors, construction and renovation environments
- Formed, carbon steel plate tested for penetration resistance, meets and exceeds the criteria of ASTM standards
- Protects from sharp objects such as shards of glass, metal and nails
- Steel plate is securely placed inside the insole to prevent separation
- Steel plate made in North America









## **Comfort Benefits**

- Ideal for casual, temporary, management, clerical staff and visitors
- Useful in any environment where there is risk of toe damage or where steel toe protection is required
- Fully waterproof and crack resistant rubber
- Hygienic, available for multiple and repeat uses
- Designed to be high and wide enough to accommodate most low-heeled, closed footwear
- Ambidextrous design in 5 graduated color sizes makes fitting easy



# **Protection Benefits**

- Powered by Steel-Flex<sup>™</sup> Innovation
- Steel Toe meets or exceeds the impact performance criteria of ASTM2413-11
- Unique & effective tread design, providing exceptional slip resistance on typical walking surfaces
- Made in North America





# **Comfort Benefits**

- Made with 50% wool, 30% nylon, 15% acrylic, 4% other fibers and 1% spandex
- Wool is the best fiber for naturally absorbing moisture
- Anti-microbial, double thick yarn
- · Boot length cut, with reinforced heel and toes

## **Protection Benefits**

- Keeps feet dry even in the harshest conditions
- Protection from heat and cold
- More durable than the average sock
- Tough, long lasting and versatile
- Made in North America





"We began testing the insoles as part of our Industrial Ergonomics Program. We collected positive data and received great feedback through the C.L.U.E. surveys. We now include them as part of our Safety Shoe Program; employees will receive one pair of insoles a year (paid for by our company)."

> - Elizabeth M. Corporate Ergonomics Specialist

"We had employees from all three tours sample the mega insoles. We handed out surveys on how employees felt before they used mega insoles and another survey after two weeks. The outcome/results were great, employees were very happy with the insoles. Those who were complaining about back, hip, and foot problems said they felt a difference by using the insoles."

- Richard R. Union Safety Representative

"After wearing your MEGAComfort megaorthotics for two weeks, I can say without hesitation that these create the most wonderful support and comfort to my feet. Having worn custom orthotics all my life, its quite a delight to have found an orthotic that is not hard and uncomfortable for the special needs of my feet. I get the added benefit of happier knees and overall great support to the rest of my body. Thank you for designing such a phenomenal orthotic with supports you can switch out to wear as either heavy duty or for casual wear."

- Annabelle P.

"I received a pair of your inserts before being deployed to Katrina and loved them."

- Dennie L.

Additional testimonials available online http://www.megacomfort.com/about/testimonials Testimonials Protection Line

"After trying out this great product I was really pleased with the comfort and fit, and it was nice to know my feet were protected and I highly recommend them. I plan on getting a few more pairs of them to wear in my work boots and shoes."

- Adam

"Let me preface this with the fact that in my lifetime, I have had three nails go through my feet and one sharp piece of rusted steel go through my shoes and cut the bottom of my foot pretty badly. If you find yourself in situations where the possibility of stepping on something bad like a nail or screw, these are a great alternative to buying heavy work shoes/boots."

-BA

"If you wear heavy duty leather boots then these socks are the perfect footwear companion for protection, comfort and moisture wicking. Greatly satisfied."

- P. Lee

"This is one of the rare products that you purchase thinking they will be nice, but are more than surprised by the quality (very thick socks) and how well they work, even after three months of constant use. I highly recommend these socks."

- BC7

Additional testimonials available online http://www.megacomfort.com/about/testimonials For more information on our products and a list of our Distributors please visit our website

www.megacomfort.com sales@megacomfort.com



MEGAComfortInsoles



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+MEGAComfort

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