

NATFOAM

(Technical Foam)



Natroyal Group - An Introduction

Natroyal Industries Pvt. Ltd. is one of the largest manufacturer and exporter of PVC Artificial Leathercloth, Specialized PVC Coated Fabrics, PVC Vinyl Flooring, Circular and Knitted Fabrics, Seating Components etc.

Our works are situated near Vadodara and our Corporate Office is in Mumbai.

Our R&D Dept. is registered with The Dept. of Scientific and Industrial Research, Delhi (DSIR).

Our products are exported and well accepted in Europe, USA, Russia, Middle East, Africa and South East Asia.

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NATFOAM - INTRODUCTION

We have developed a Slow Memory Foam “NATFOAM” which is a combination of different Polymers for high performance. It is made after years of studies, developments and collaborations with technical experts specialized in analyzing footwear comfort.

Concept

Despite the common understanding that more bouncing (fast memory) means more comfort, the real concept of comfort is importantly related to impact absorption and plantar pressure distribution, these features deliver dynamic cushioning creating the perfect fit for a variety of feet and continuously shapes to the contour of the feet, step by step, while providing the perfect level of arch supporting stress on lower body joints.

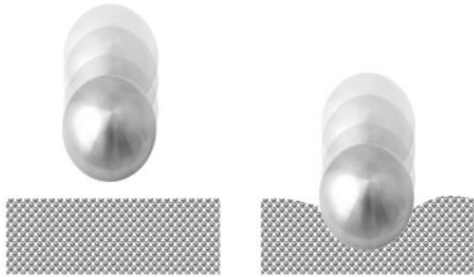
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NATFOAM - SALIENT FEATURES

- In footwear, the most important property constitutes feet's comfort.
- Despite the common understanding that more fast bouncing insole, more is the comfort, but it is not true. The real effect of comfort is the capacity of the Insole to absorb the impact weight whilst walking or when a person stands for a long time.
- Human Beings have different ways of walking, hence different pressure point areas. NATFOAM is designed to absorb pressure irrespective of different pressure points.

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IMPACT ABSORPTION



Research on the biomechanical comfort of the foot has determined that impact absorption is a key factor for mass body loading and correct walking. NATFOAM has been formulated from specialized polymers that perform 33% of the impact absorption, to offer superior and flexible comfort, adapting the pressure zone to body weight to further personalize the walk with a dynamic cushioning, generating a comfortable sensation.

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Plantar Pressure Distribution



ANTI-BACTERIAL - ODORLESS - COMFORTABLE - HIGH IMPACT ABSORPTION

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Plantar Pressure Distribution

- Foot plantar pressure is the pressure field that acts between the foot and the support surface during everyday activities.
- By significantly absorbing the impact, NATFOAM is technically devised for discharging the impact and distributing the mass loaded accordingly to the feet's shape and thereby improving the comfort permanently
- This is the most important feature that even though the pressure points varies from person to person, the comfort is the same
- This extremely durable performance helps to create the perfect fit for a variety sizes of feet and is applicable for all kinds of shoes, sport shoes, hiking shoes and working shoes. The increase of the total contact area, allow a perfect feet shape particularly in diabetic's foot.
- Prevents heel shock by cushioning every step, supporting the arch.

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Arch & Heel Comfort

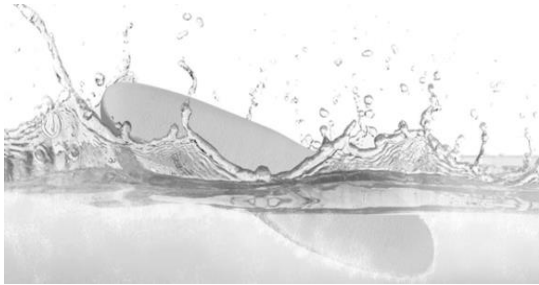


Providing pressure distribution and shaping of the feet, NATFOAM creates a dynamic bridge adaptable to any type of arch represented in the drawing on the side: normal - flat - high.

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Odourless & Washable



Treated with antibacterial additives and complex polymer formulation, NATFOAM has a very strong resistance to the generation and growth of fungi and bacteria, always keeping the foot hygienically protected. Cold water washing is particularly suitable for NATFOAM. The material remains odorless giving the foot a continuous freshness.

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THERMOFORMABLE



NATFOAM can be easily thermoformable. It can be buffed for shaping purpose, and due to its mixed specialized polymers is considerably reducing the processing time of high-frequency and the molding thermo heat for the advantage of productivity optimization.

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REACH COMPLIANCE



All the raw materials used in NATFOAM are in accordance to norms in compliance with the REACH regulation, such as Phthalate free, Solvent free and Metal free.

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