

# PORON® Urethanes.

Lasting comfort for every walk of life



From high fashion to high performance, **PORON®** Urethane foams provide the utmost in cushioning, shock absorption, and moisture management. **PORON®** Urethanes are found in quality footwear around the world.

Available from A. Algeo Ltd and its sub distributors in the UK and Ireland.



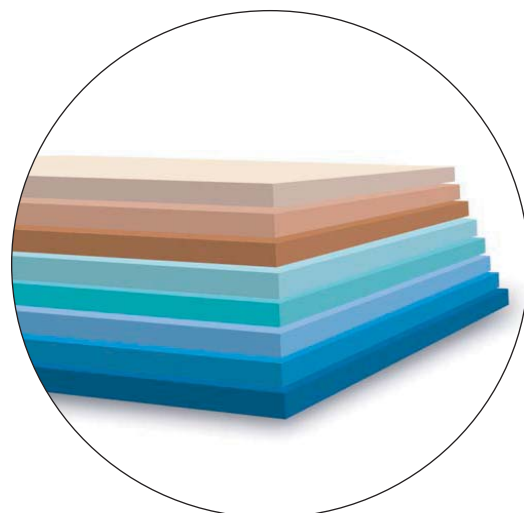
**When comfort matters**

# PORON® Urethanes... Total solutions for footwear

## The highest degree of shock absorption

More shock absorption in the insole means less shock to feet and joints. And no other insole materials offer more shock absorption than PORON® cellular urethanes.

In side-by-side drop weight tests, PORON® materials outperformed vinyl sponge, neoprene sponge, sponge rubber, latex foam and solid viscoelastic. Which is why PORON® materials offer the best cushion against impact.



## Maximum retention of comfort and flexibility

PORON® urethanes are made without plasticizers, which means the insole won't shrink or become brittle and crack with age. PORON® urethane insoles retain "like-new" softness and flexibility, resisting the tendency of other insole materials to bottom out and take a permanent compression set. This results in maximum comfort for the life of the shoe.

## A breathable layer to help feet stay dry and cool

Insoles made with PORON® urethane material form permeable layers that draw water vapour and perspiration away from the foot, helping to keep shoes and feet dry, while reducing foot odour.



## It all adds up to performance

Superior performance in just about every conceivable category, and resistance to abrasion, friction, tension, and stitch stress. PORON® urethanes are lightweight, smooth to the touch, and resist piping, for the greatest degree of shoe comfort, over the greatest length of time.

Breathable....	Open cell
Long lasting....	Resists collapse
Lightweight....	Low to medium densities
Flexible....	Good hydrolysis resistance
Odour free....	Antifungal
Environmental....	PVC and latex free



# PORON® Urethanes... When comfort matters



## PORON® 4000 - Grey (High Performance)

This microporous polyurethane is known world-wide as a durable high performance underfoot cushioning material with excellent shock absorption properties. With its unique cell structure PORON 4000® pumps air and moisture vapour around the inside of the shoe, whilst ensuring superb protection against the 'step shocks' of walking and running.

PORON 4000® is used in a wide variety of products. Its firmness offers high-energy return and excellent impact absorption for demanding work/outdoor, athletic and casual applications. Footwear applications include footbeds, insoles, and sockliners.

## PORON® 4400 - Permafresh Green (Anti-Bacterial)

PORON® Permafresh offers anti-microbial protection. Unlike standard anti-odour insoles, PORON® Permafresh urethane doesn't just mask shoe odours. It stops the growth of odour-causing bacteria and fungus, including the fungus that causes athlete's foot. PORON® Permafresh also resists the growth of mold and mildew.

Tests have been conducted by independent laboratories to measure the anti-bacterial protection of PORON® Permafresh materials and all found to be successful.

## PORON® Dual Layer

A new multi functional foot cushioning material available from Algeos. This high performance urethane combines the durability and shock absorbing qualities of PORON 4000®, with the softness and comfort of PORON 94®, resulting in a superior dual layer foam.

Dual Layer provides advanced protection against pressure points when used in specialist diabetic shoes and insoles, and its merged cell structure ensures long lasting comfort.

## PORON® 92 - Red (Ultra Soft)

An extremely soft, slow rebound PORON®. PORON 92® is a unique custom contouring material. This material rebounds slowly when compressed, which results in a custom fit or contour during each use. The material will continue to return to its original shape when not in use. Comfort is ensured from the time of purchase through the life of the product.

Footwear applications include total contact insoles, as well as tongue, collar and ankle cushions. General Consumer applications include apparel and gloves, amongst others.

## PORON® 94 - Pink (Slow Memory)

PORON 94® sets a new level of advanced underfoot comfort technology. This new material is a softer, lighter PORON® with slower rebound properties. This allows for a more even distribution of body weight over the foot's plantar surface and offers fuller, richer cushioning.

PORON 94® can also be used for counter paddings and forefoot linings in high performance footwear, providing pillow-comfort protection against pressure from the shoe upper.

## PORON® 96 - Jade Green (Slow Memory Medical Grade)

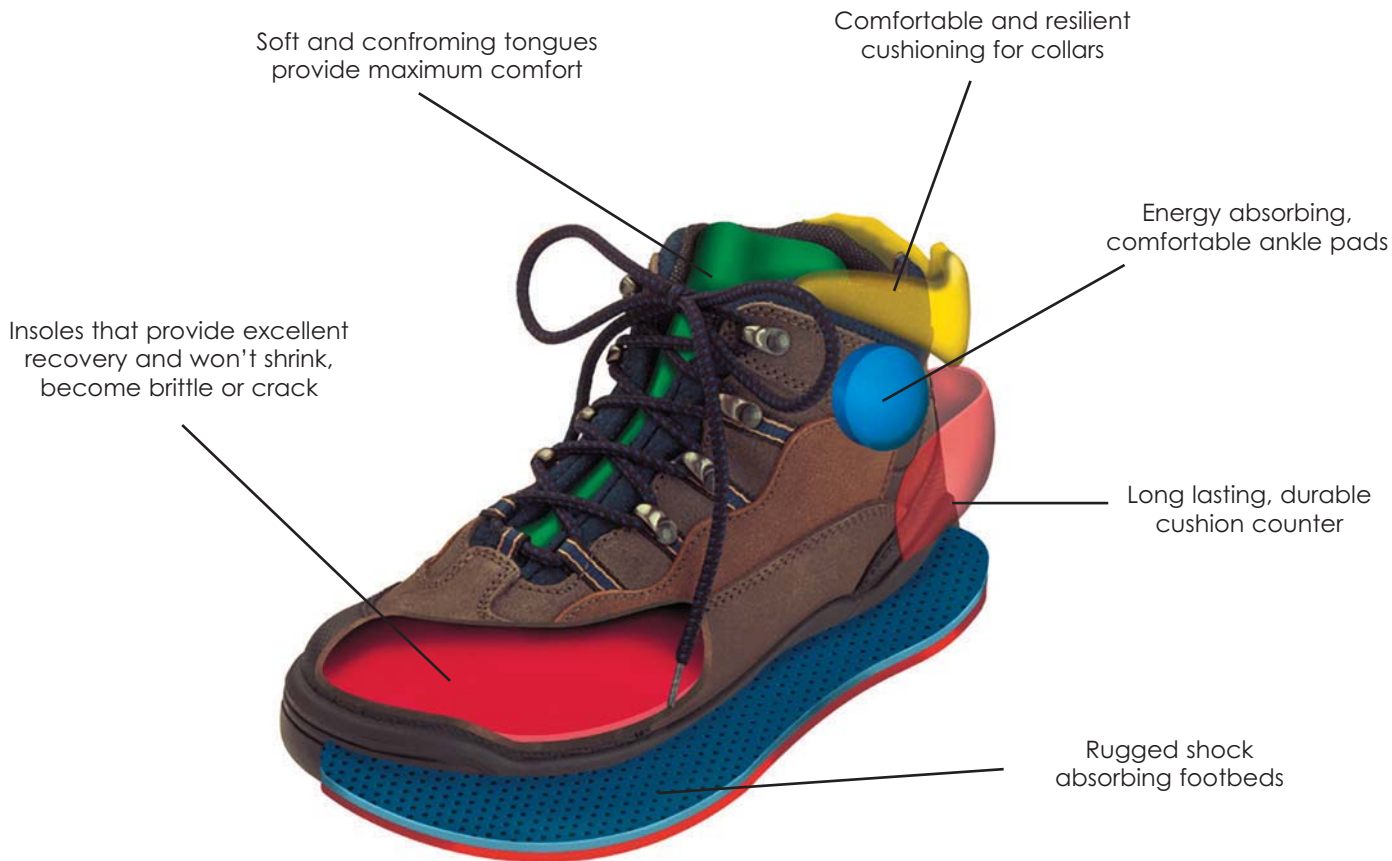
PORON Medical® Slow Recovery urethane is a unique custom contouring material. This material rebounds slowly when compressed, which results in a custom fit or contour during each use.

The material will continue to return to its original shape when not in use.

## PORON® 4708 - Blue (Medical Grade)

Specially developed for the footcare industry, Blue PORON 4708® has passed numerous medical assessments for biological response.

PORON 4708® is commonly used in orthopaedic and prosthetic applications, including custom orthotics, custom prefabricated orthotics, prosthetic padding and other biomechanical supports.



**PORON® Urethanes usage recommendations:**

<b>Application</b>	<b>PORON® Type</b>	<b>PORON® Arritbutes</b>
Footbed	PORON® 4000 Performance PORON® 4400 Permafresh Green	- Impact absorption - Abrasion resistance
Insoles & Orthotics	PORON® 96 - Patina Green PORON® 4708 - Blue PORON® 4400 Permafresh (with top cover) PORON® Dual Layer (with top cover) PORON® 92 (with top cover) PORON® 94 (with top cover)	- Will not shrink or become brittle - Anti-bacterial - Comfortable - Pressure relief - Satra approved
Collar	PORON® 92 PORON® 94 PORON® 96 - Patina Green	- Long lasting cushioning - Resilient
Ankle Pad	PORON® 4000 Performance - Grey	- Comfortable - Energy absorption
Counter	PORON® 4000 Performance - Grey	- Durable and long lasting - Conforms to foot
Tongue Cushion	PORON® 92 PORON® 94 PORON® 96 - Patina Green	- Long lasting - Conforms to foot