



ZOTEFOAMS



ADVANCED FOAM  
TECHNOLOGY FOR THE  
**SPORTS AND  
LEISURE**  
INDUSTRY



**AZOTE®**  
high performance  
polyolefin foams



**ZOTEK®**  
advanced  
polymer foams

# Sports and Leisure



Azote® foams are probably the most widely used closed cell foams in the sports and leisure industry. Their superior properties and performance characteristics make Azote foams the natural choice for many different and varied applications, from swimming aids to sports orthotics; back packs to body protectors; cricket pads to camping mats and helmet liners to handlebar pads.



## COMPOSITE COMBINATIONS

Where a combination of properties is required, many converters laminate two or more grades of Azote foam, using a softer foam for feel and touch, together with a higher density, more rigid foam for impact protection.

Azote foams are often used in combination with other materials in order to achieve specific performance criteria. They have excellent adhesion properties and can be laminated to fabrics, solid plastics, carbon fibre or honeycomb cores.



## OUTSTANDING PROPERTIES

- Excellent impact absorbing properties
- Lightweight and durable
- Soft, flexible and compliant, to firm, hard and rigid.
- Buoyant and water-resistant
- Good thermal insulation properties
- Wide range of vibrant colours
- Pure and consistent
- Non-toxic and safe
- Resilient and UV resistant



## CONSISTENCY

Azote foams are typified by their highly consistent cell structure. Because they are expanded in a free environment (without the use of a mould) they also have little in-built stress and little tendency to distort during conversion; both features that make them easy to process and fabricate.

Azote foams can be routed cleanly to produce the most complex of shapes. Being cross-linked they are equally suitable for thermoforming, either by compression or vacuum moulding. They can be split, sawn, water jet cut, die cut, butt-welded and heat laminated together to form thicker blocks.

## CHOICE

Plastazote cross-linked polyethylene foams are available in a range of densities from 15 to 115 kg / m<sup>3</sup>. Plastazote produced from LDPE has greater flexibility while the HDPE based product has increased stiffness, and blends fall in between the two.

Evazote and Supazote foams are made from EVA copolymers. Evazote foams are tougher and more resilient while Supazote foams are softer to touch.



**ZOTEFOAMS**  
THE FOAM TECHNOLOGISTS





FOR MORE INFORMATION PLEASE VISIT [WWW.ZOTEFOAMS.COM](http://WWW.ZOTEFOAMS.COM)

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AZOTE® is the group brand for a variety of foams manufactured from differing base polymers but using the same unique process route.  
ZOTEK® is the group brand for foams manufactured from high performance polymers.

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