

VASCO[®] by **vitafoam**

The ultimate support and protection system

- Bedding
 - Furniture
- Medical



VASCO[®]

+ SUPPORT AND
PRESSURE RELIEF

+ COMFORT AND
PERFORMANCE

+ PROTECTION

+ CUSHIONING
AGAINST SHOCK
AND VIBRATION

+ SPECIALIST MEDICAL
APPLICATIONS

+ BREATHABLE AND
OPEN CELLED

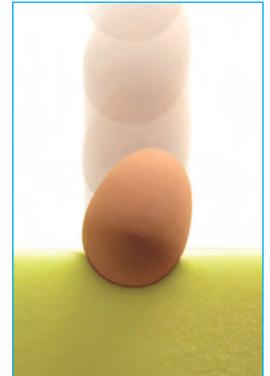
VASCO[®] by vitafoam

THE ULTIMATE SOLUTION IN ANY SHAPE OR FORM

Vasco is a revolutionary slow recovery range of visco-elastic polymers that are designed to provide support and protection where it's needed most. Developed, tested and manufactured by Vitafoam, Vasco is the ideal solution for a wide variety of applications because it conforms to any shape - whatever the size or weight and it absorbs energy.

Vasco is also much more open celled and breathable than other visco-elastic products on the market and for this reason you can have a much cooler and more comfortable nights sleep.

Vasco absorbs energy and moulds itself to distribute pressure more evenly.



HOW DOES IT SHAPE UP?

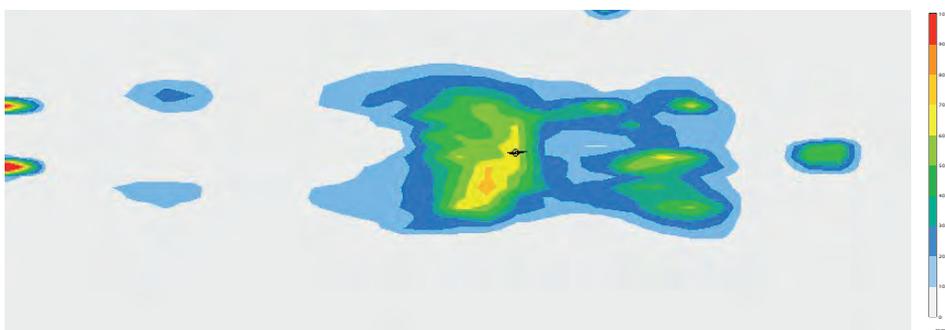
Often described as a "memory" foam, Vasco is slower to recover from compression than traditional polyurethane foam products. Since it is energy absorbing and temperature sensitive it readily responds to heat, moulding itself perfectly around the source of compression. No matter what the weight, Vasco spreads it evenly by increasing the surface area so that when equilibrium is achieved, pressure is reduced to an absolute minimum.

Vitafoam manufactures a wide range of Vasco foam from the lower density foams specifically designed for mattress topper to the durable medical mattresses in the mid range and then up to 75kg/m³ for the high quality mattress applications. Vitafoam also manufactures a naturally more open celled foam which causes it to be much cooler than other viscoelastics on the market.

The pressure map below shows a human body lying on a Vasco mattress. The cooler the colour, the more favourable the pressure to the human body.

Far less pressure is exerted on concentrated areas of the body, whilst any pressure that is present is spread far more evenly across the surface and over the sleeper's body.

Vasco Mattress System



THE SHAPE OF THINGS TO COME

Vasco has already proven to be a revolutionary material in the bedding and seating markets, but actually its possibilities are endless. Vasco absorbs energy rather than deflecting it, making it an ideal material for everything from protective packaging to cushioning against shock and vibration. Its pressure reducing properties could prove valuable for transportation seating, wheelchairs and bicycle seats. Due to the fact that it responds to temperature, it could provide support and relief for patients with muscle or limb injuries. The only limitation is your imagination.

THE ULTIMATE RANGE OF SOLUTIONS

> See our Website for Grade Specifications

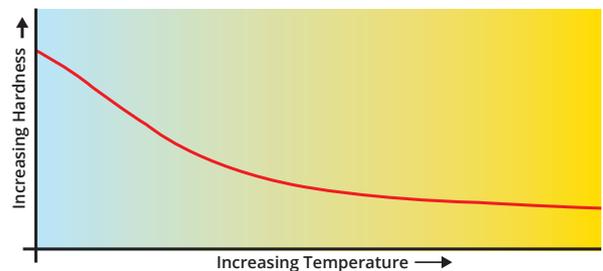
MADE TO PERFORM UNDER PRESSURE

Although Vasco is produced using new speciality polymers, it is manufactured in exactly the same way as traditional slab stock foam, giving it a good flat top block shape that produces excellent yields and can be cut to any size.

As the polymers come into contact with a warm surface they react to the temperature which softens the material and allows it to mould itself around the shape. This increases the contact surface area and helps to distribute the load, thereby reducing pressure and increasing comfort. Optimum pressure distribution is achieved when Vasco is used in conjunction with an optimum resilience Reflex grade.



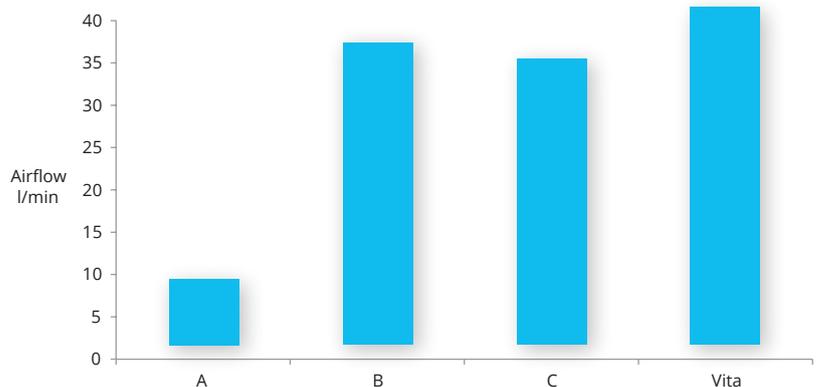
Vasco Hardness vs Temperature



BREATHABLE AND OPEN-CELLED

Vitafoams Vasco range is naturally more open celled than other Visco-Elastic foams on the market, it has a higher porosity meaning that it is significantly more breathable than competitors. The airflow through the foam is far superior and promotes a cooler night's sleep. The graphs show how the airflow can range from 8 l/min up to Vitas VS50 55 at 40 l/min. This increased airflow is compared with Foams A, B and C which are other Visco-elastic foams on the market currently.

Airflow in Visco-Elastic Foams



COMPLIANCE



All Vasco grades comply with the requirements of Schedule 1, Part 1: The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (Amended 1989, 1993).





TECHNICAL
SUPPORT

T: 0161 655 2705

MANUFACTURED BY VITAFOAM, THE UK'S MARKET LEADER IN CELLULAR POLYMER TECHNOLOGY

Vitafoam invests heavily in research and development, and works closely with businesses around the world in the development of support-based products.

Vasco is one of the results of this approach.

TECHNICALLY SPEAKING, IT'S BRILLIANT...

Vasco has been designed to meet the Vitafoam 11-point check list:

- A slow recovery "memory" foam
- Temperature sensitive
- Reduces pressure
- Provides comfort and support
- Conforms to body shape
- Open-celled and breathable
- Excellent block shape
- Good tensile strength
- Outstanding compression qualities
- Enhances product value
- Optimum performance is achieved when used in conjunction with the optimum resilience material
Conforms to Schedule 1, Part 1: The Furniture and Furnishings (Fire) (Safety) Regulation 1988
(amended 1989, 1993)

For product samples and to find out more about how you could utilise Vasco's unique properties, contact us:

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