

VASCO[®]

Memory Foam

The ultimate support and protection system



enhancing
everyday
life

Vita Comfort UK

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www.vitacomfort.co.uk

Vita[®]





The ultimate solution in any shape or form.

Vasco™ - Our revolutionary range of slow recovery, visco-elastic polymers are designed to provide support and protection where it is needed most.

Developed, tested and manufactured by Vita Comfort UK, 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™ boasts a cell structure which is more open and breathable than other visco-elastic products on the market. The cell structure provides a much cooler and more comfortable nights sleep. Vasco™ absorbs energy and moulds itself to distribute pressure more evenly.



Bedding



Medical



Furniture

VASCO

Manufactured by Vita Comfort UK, the UK's leader in cellular polymer technology



Vasco™ has already proven to be a revolutionary material in the bedding and seating markets however, its potential spans much further.

Vasco™ absorbs energy rather than deflecting it, making it an ideal material for use in a wide range of applications, from protective packaging to cushioning against shock and vibration.



Its pressure reducing properties could also prove valuable for transportation seating, wheelchairs and bicycle seats.

Vasco™ responds to temperature and can provide support 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.

Innovation is at the heart of everything we do at Vita Comfort UK, we invest in research and development and work closely with our customers in the development of products to their exacting requirements.

VASCO™ HAS BEEN DESIGNED TO MEET THE VITAFOAM 11-POINT CHECK LIST:

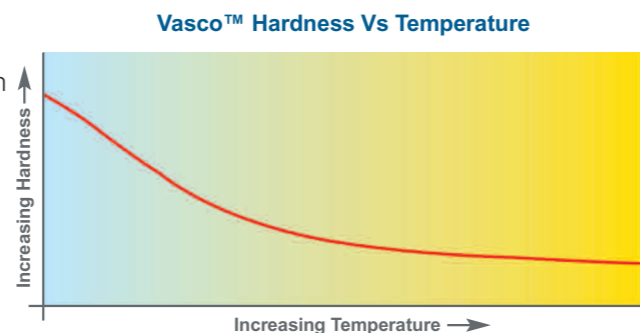
- ✔ A slow recovery "memory" foam
 - ✔ Temperature sensitive
 - ✔ Reduces pressure
 - ✔ Provides comfort and support
 - ✔ Conforms to body shape
 - ✔ Open-celled and breathable
 - ✔ Excellent block shape
 - ✔ Good tensile strength
 - ✔ Outstanding compression qualities
 - ✔ Enhances product value
 - ✔ 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)**

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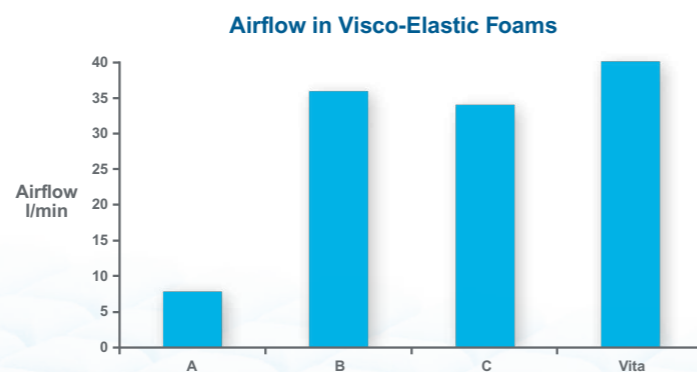
Made to perform under pressure

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.







Breathable and open-celled

Vita Comfort UK's 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.



WHY VASCO™ MEMORY FOAM?

-  **Soft yet supportive**
Provides optimal support and comfort
-  **Highly durable**
Shape retaining and long lasting quality
-  **Optimal ventilation**
Moisture and heat dissipates quickly
-  **Hypoallergenic**
Perfect for allergy sensitive people

VASCO

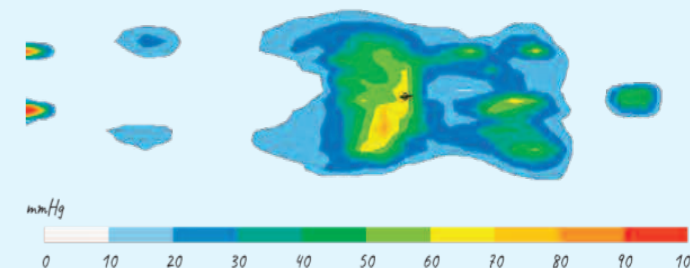


How does it shape up

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.

Vita Comfort UK 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. Vita Comfort UK also manufactures a naturally more open celled foam which causes it to be much cooler than other viscoelastics on the market.

The pressure map (right) 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.



Compliance

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



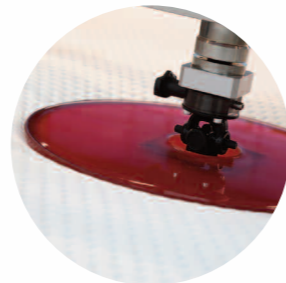
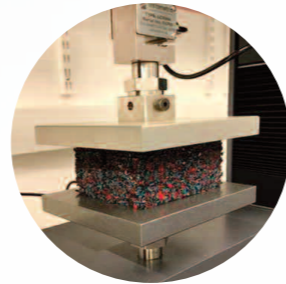
We develop the very best solutions for a wide range of customer applications

The Vita Group's Medical portfolio spans from the production of medical mattresses for hospitals and nursing homes to Vita's seating solutions designed to reduce pressure sore development through weight distribution.

To assist in the selection of foams or testing of finished or semi-finished products The Vita Group has invested in an innovation centre capable of testing to known industry standards.

INNOVATION CENTRE TESTING CAPABILITIES

- ✔ Pressure mapping (Interface pressure - evaluate localized pressure - immersion area)
- ✔ Sheer pressure
- ✔ Heat Dissipation and breath-ability
- ✔ Durability test
- ✔ Tensile testing
- ✔ Displacement mapping
- ✔ Temperature and humidity mapping

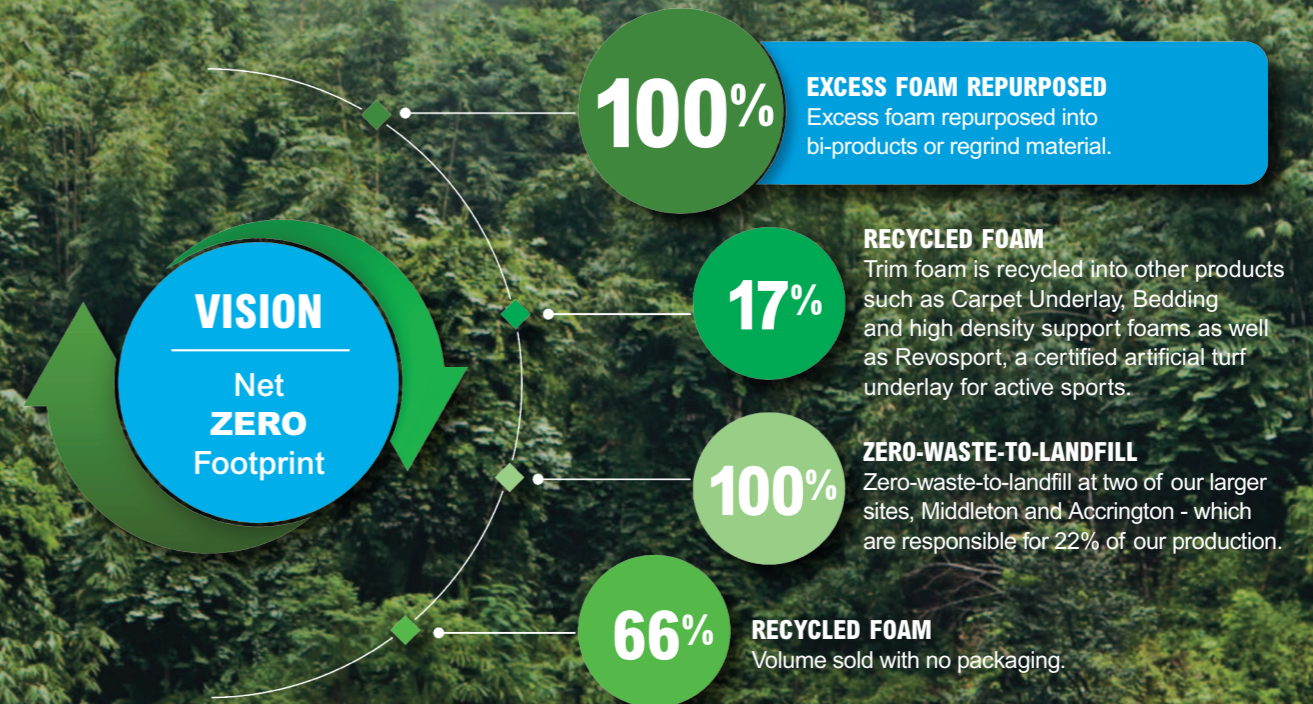


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We aspire to be the leader in innovation and sustainability in the flexible PU foam industry

At The Vita Group, we continuously invest to sustainably deliver the very best solutions for our customers and future generations.

As a responsible, resourceful and safe business we commit to and invest in reducing waste, increasing recycling and reusing raw materials, and conserving natural resources in pursuit of a net zero footprint.



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