

airospring

WELCOME TO A NEW STANDARD IN **HEALTHY SEATING**



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POLYMORIT
ability solutions **AT HOME**



COMFORTABLE



HEALTH PROTECT



BREATHABLE



MAPPED PRESSURE



WEIGHT



MADE IN UK

PRESSURE RELIEF OPTIMISED CUSHION



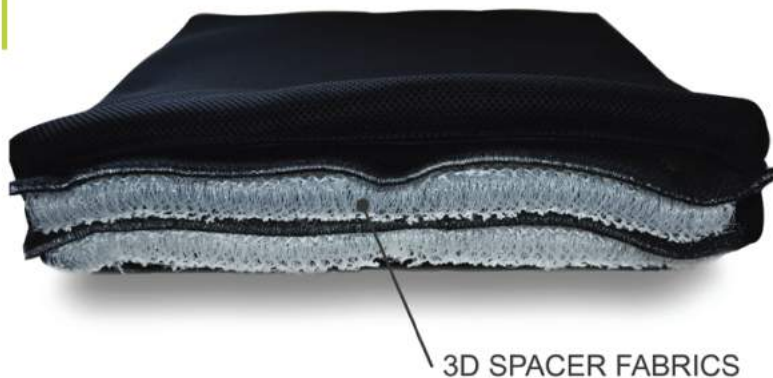
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- Airospring is a range of **lightweight** and **breathable** cushions made from high-tech 3D Knitted Spacer Fabrics. It is the result of many years of research by Baltex and Subhash Anand MBE who is Professor of Technical Textiles at the Institute for Materials Research and Innovation (IMRI), The University of Bolton and also a Director of Airospring Medical. The company is now designing and producing other pressure relieving devices such as back cushions and Airopad [™] mattress overlays.

- Our cushions and overlays distribute weight more effectively than foams and allow maximum airflow which allows microclimate control and promotes the dissipation of perspiration and

consequently benefits the skin. Recent tests to EN 31092 measurement of thermal and water vapour resistance confirm this. The materials are also isotropic and can help prevent shear.

- Airospring Medical's products are **non-allergenic** and provide **odour control**. They have been designed with your health and comfort in mind. For specific conditions or medical advice you should consult your doctor or clinician.



THE VARIOUS INNOVATIVE AND UNIQUE FEATURES OF THE AIROSPRING ® CUSHIONS:

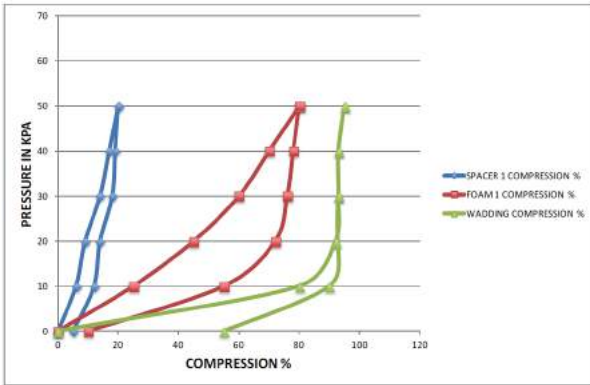
- 1. They are much better at reducing peak pressures under the bottom than PU foam cushions.
- 2. They distribute the pressure evenly over much larger areas of the cushions or seats than PU foam cushions.
- 3. They conform to the shape of the body and have sufficient compression resistance to support the person without "Bottoming Out".
- 4. They provide a well-ventilated, comfortable surface that does not unduly restrict movement.
- 5. They can be laundered in the washing machine, are non-flammable and can be easily recycled.
- 6. The particularly beneficial to the persons who are prone to developing pressure sores, due to prolonged periods of sitting in the wheel chair and other support systems.

PRESSURE RELIEF OPTIMISED

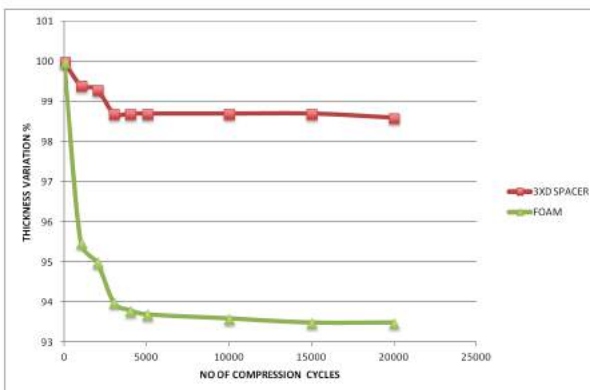


(PRO Cushions include an internal fire retardant cover, making them BS 6807 (CRIB 5) compliant for Non-domestic use.)

SPACER COMPRESSION CHARTS



SPACER AND FOAM THICKNESS VARIATION ACCORDING TO COMPRESSION CYCLES

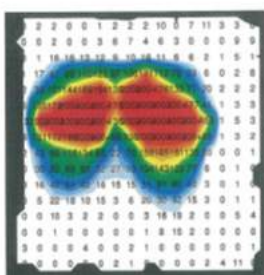


- The XD Spacer fabrics used in Airospring cushions have better compression and recovery properties as shown by the Figure 1. They recover better than foams or gels which means they support the body better, providing support equivalent to hydrostatic loading. This means better support for the body which results in superior pressure distribution shown below

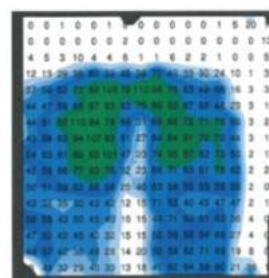
- XD Spacer fabrics have been tested up to 20,000 cycles and lose considerably less thickness than foam products. As seen in the chart Foam loses considerably more even after 5,000 cycles. This means the Airospring cushions will continue to perform over long periods of time

- Below are two pressure maps. The pressure map on the left shows a wheelchair without a cushion and pressures exceeding 200mm Hg and the diagram on the right shows the same wheelchair user sitting on an AS200 cushion. Both AS100 and AS200 are designed to significantly reduce peak pressures.

COMPARAISON BETWEEN AIROSPRING (AS200) AND CLASSICAL WHEELCHAIR:



Wheelchair compression



AS200 compression



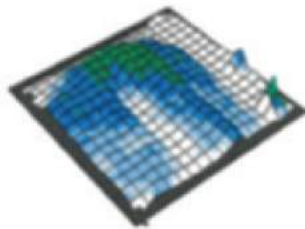


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AS100 PRO



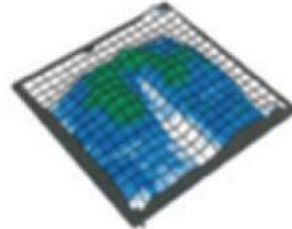
Dimensions : 45cm by 45cm by 4cm thick



AS200 PRO



Dimensions : 45cm by 45cm by 5.5cm thick



Airospring is the revolutionary cushion everyone is talking about. It distributes pressure evenly, dissipates heat and helps skin tone through hydration.

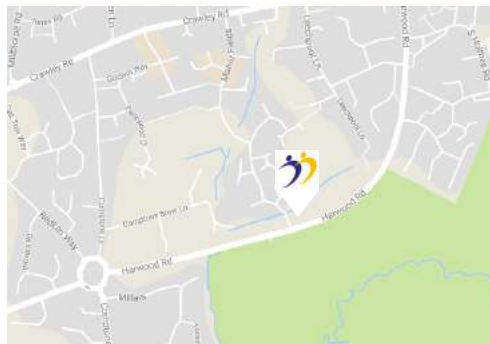
It is ideal for anyone who sits in the same position for long periods of time. Airospring is produced from high-tech 3 dimensional knitted fabrics. The product is UK manufactured and is the result of five years of extensive research. Choose Airospring - choose a better Quality of Life.

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