

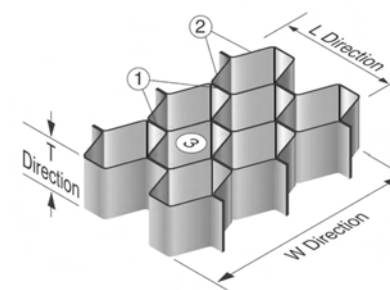


StimuLITE Cushions

- Lightweight, flexible honeycomb structure
- Naturally antibacterial, antifungal and allergen free
- Cushion and cover machine washable
- Durable and cost effective in use

A soft, flexible form of aerospace honeycomb that has 'memory', **Stimulite** is lightweight and distributes weight uniformly across its surface. Its cellular matrix consists of alternating thick and thin walled cells that flex when compressed to relieve pressure. When a user sits on a Stimulite cushion, the compressed cells radiate outwards to surround and support the anatomy, self-adjusting to each individual while providing excellent stability. A unique ventilation system consisting of tiny perforations in the cell walls allows air to circulate both horizontally and vertically, creating an ideal microclimate for long-term sitting comfort. Stimulite has a proven track record among wheelchair users where performance is critical to prevent life-threatening skin breakdown.

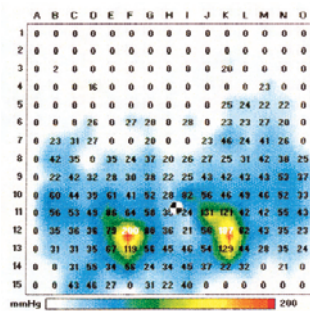
Since 1994 Stimulite cushions have provided Total Pressure Management® - pressure relief, shear reduction and ventilation to control heat and moisture - the key to pressure sore prevention. And, as its name implies, Stimulite provides an additional benefit important to long-term sitting comfort; the 'footprint' of the flexible cells stimulates capillary action, keeping oxygenated blood in tissues and combatting the numbness that can occur when sitting for long durations. Stimulite is machine washable, naturally antibacterial, antifungal and allergen free.



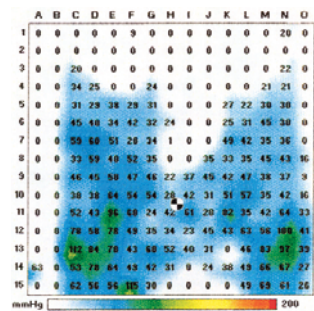
The distinguishing geometry of aerospace honeycomb

1. Double walls in 'L' direction (example: .020" T)
2. Single walls in 'W' direction (example: 0.10" T)
3. Multiple cell radii (eight to each cell)

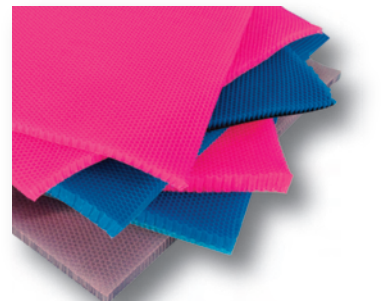
220lb person on foam cushion



220lb person on Stimulite cushion



STIMULITE HONEYCOMB SHEETS



- SBS-1:** 1/2" (12.5mm) thick, bare honeycomb sheet
 - SBS-2:** 1/2" (12.5mm) thick, single-faced sheet
 - SBS-3:** 1/2" (12.5mm) thick sheet with fabric on one side
 - SBS-4:** 11/16" (17.5mm) thick, single-faced sheet
 - SBS-5:** 1" (25mm) thick, single-faced sheet
 - SBS-6:** 3/4" (19mm) thick and 1/4" (6mm) thick, single-faced, double honeycomb panel
 - SBS-7:** 3/4" (19mm) thick, double-faced, firmer honeycomb sheet; ideal for correcting pelvic obliquities.
- Sheets are 24" (60cm) wide x 24" (60cm) long.

Accessories



STIMULITE ADJUSTABLE POSITIONING WEDGES
Covered in Cordura fabric with Velcro for easy attachment to cushion bottom. Available in 1" (25mm) and 2" (50mm) thicknesses.

- 14" (35cm) wide x 10" (25cm) long
- 15.75" (40cm) wide x 10" (25cm) long



STIMULITE TENSION ADJUSTABLE BACK
Features Stimulite honeycomb to circulate air and evaporate moisture while equalising pressure for exceptional comfort and stability. The 'footprint' of the flexible honeycomb cells stimulates blood flow to enhance circulation. Adjustable Velcro straps can accommodate for kyphosis or posterior pelvic tilt. Optional lumbar support. Both the honeycomb and removable, breathable cover are machine washable.



STIMULITE LUMBAR SUPPORT
Whether you're sitting in a chair or car, this sleek, breathable Stimulite Lumbar Support will improve your posture and relieve pressure while keeping you cool and dry. Features a removable, adjustable strap. Washable.



STIMULITE ON TOP CUSHION COVER
Just place Stimulite On Top and, like magic, your cushion will breathe to control heat and moisture. This removable cover features a 3/4" thick layer of Stimulite honeycomb that fits over any cushion. Machine washable.



STIMULITE SHEEPSKIN COVER
Breathable cushion cover featuring 100% natural sheepskin on top. Able to stretch in multiple directions, this soft sheepskin cover prevents hammocking and is naturally breathable and odour resistant. Available as an option for all Stimulite cushions. Machine washable.

Total Pressure Management

MACERATION RESISTANCE

Skin maceration is softening of the skin as a result of continual exposure to heat and bodily fluids or moisture. Severely softened or macerated skin is less tolerant of pressure and shearing and can lead to breakdown. Stimulite honeycomb is perforated, enabling air to circulate and moisture to evaporate, thus helping to maintain skin integrity. The 'footprint' of the honeycomb cells and their flexing action stimulates blood flow to enhance circulation.

PRESSURE RELIEF PLUS POSITIONING

Stimulite honeycomb relieves pressure by distributing it away from hot spots. As a result, bony protuberances 'feel' the same pressure as the surrounding anatomy. The honeycomb cells conform to body shape, and distribute weight uniformly. Additionally, Stimulite honeycomb stabilises any position due to the axial buttressing of the honeycomb cell walls perpendicular to the anatomy.

SHEAR FORCE REDUCTION

The horizontal stiffness of a material determines both its shear resistance and stability. Too much stiffness increases shear forces, while too little decreases stability. Stimulite honeycomb minimises shearing without sacrificing stability. The honeycomb cells align themselves axially to the body, flex with movement to reduce shear forces against the skin and then instantaneously resume their original shape.



StimuLITE CUSHIONS



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Gerald Simonds Healthcare Ltd.

9 March Place, Gatehouse Way, Aylesbury HP19 8UA

Tel: 01296 380200

email: stimulite@gerald-simonds.co.uk

www.gerald-simonds.co.uk



StimuLITE

CUSHIONS

Total Pressure Management®



StimuLITE

- Stimulite lightweight honeycomb cushions provide
- Pressure relief and shear reduction
 - Ventilation to control heat and moisture
 - Cushion easily washable, naturally antibacterial, antifungal and allergen free
 - Durable and cost effective

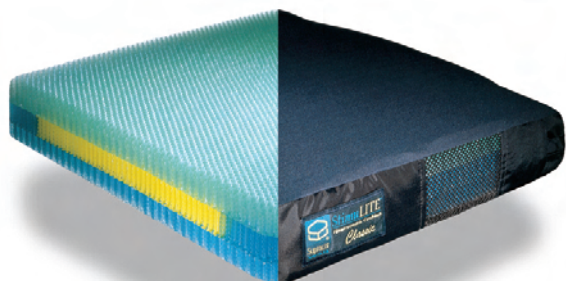




StimuLITE CUSHIONS

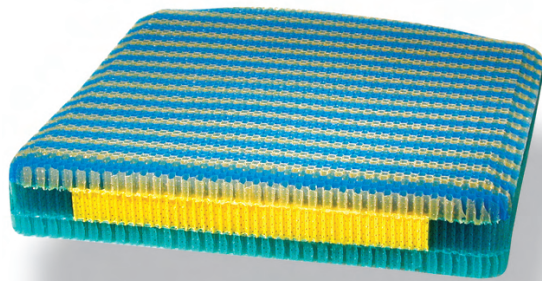
- Lightweight, flexible honeycomb structure
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STIMULITE CLASSIC CUSHION



Designed for people who are at high risk for skin breakdown, the **Stimulite Classic** cushion provides excellent pressure relief, unsurpassed comfort and exceptional stability. Weighing only 3lb (1.4kg), three layers of Stimulite honeycomb - each a different firmness - enable bony protuberances to sink freely into the 2.75" (7cm) thick, ventilated cushion while supporting the surrounding anatomy. Firmer honeycomb functions as internal side bolsters for greater lateral support. Maximum user weight up to 16" x 16" (40 x 40cm) 250lb (113.4kg), 17" (43cm) wide and above, 300lb (136kg).

STIMULITE CLASSIC XS CUSHION



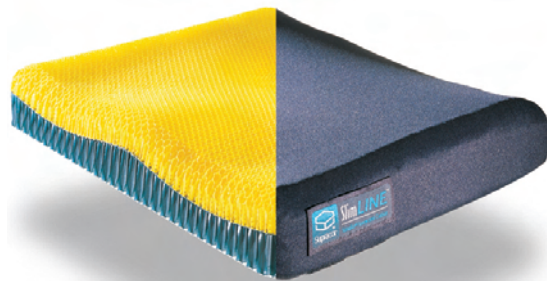
Created for people with particularly sensitive skin, the 2.75" (7cm) thick **Stimulite Classic XS** cushion features a soft top layer of specially engineered Stimulite honeycomb fused to two bottom layers. The compliant honeycomb cells contour to body shape enabling bony protuberances to freely sink into the cushion while supporting the surrounding anatomy. Weighing only 3lb (1.4kg), the ventilated Stimulite Classic XS cushion is the choice for individuals with sensitive skin. Maximum user weight up to 16" x 16" (40 x 40cm) 225lb (102kg), 17" (43cm) wide and above, 250lb (113.4kg).



StimuLITE CUSHIONS

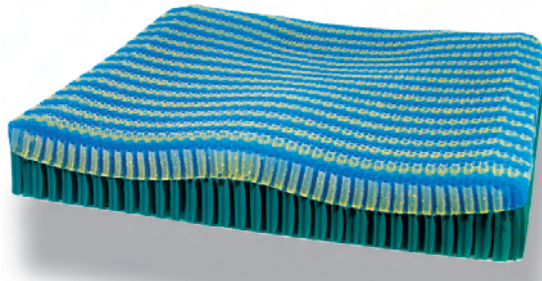
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STIMULITE SLIMLINE™ CUSHION



The perfect cushion for active people and those who are at lower risk for decubitus ulcers, the ventilated, 2.75" (7cm) thick, double layered **Stimulite Slimline** cushion is designed with a low profile and weighs only 3lb (1.4kg). Adductors, an abductor and a rear dish form a subtle contour for optimal comfort and support. Maximum user weight up to 16" x 16" (40 x 40cm) 225lb (102kg), 17" (43cm) wide and above, 250lb (113.4kg).

STIMULITE SLIMLINE XS CUSHION



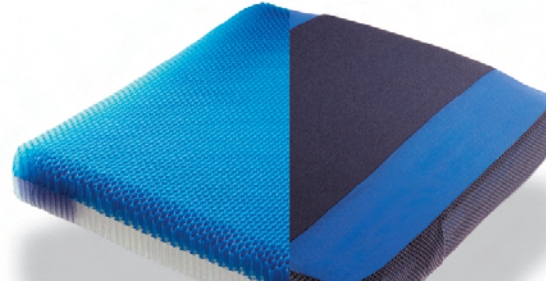
Designed with a mild contour and low profile for active people with particularly sensitive skin, the ventilated **Stimulite Slimline XS** cushion features a soft top layer of specially engineered honeycomb fused to a bottom layer. The compliant honeycomb cells contour to body shape enabling bony protuberances to freely sink into the cushion while supporting the surrounding anatomy. Light and comfortable, the Stimulite Slimline XS cushion is 2.75" (7cm) thick and weighs only 3lb (1.4kg). Maximum user weight up to 16" x 16" (40 x 40cm) 200lb (91kg), 17" (43cm) wide and above, 225lb (102kg).



StimuLITE CUSHIONS

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STIMULITE SPORT CUSHION



A low profile, planar design for athletes' sports chairs and active users, the ventilated, lightweight **Stimulite Sport** cushion is 2" (5cm) thick and weighs slightly more than 2lb (1kg). A soft layer of Stimulite honeycomb is fused to a robust bottom layer with built-in bolsters for maximum shock absorption, support and stability. A really 'cool' cushion for competition and everyday use. Maximum user weight up to 16" x 16" (40 x 40cm) 225lb (102kg), 17" (43cm) wide and above, 250lb (113.4kg).

STIMULITE SMART CUSHION



The **Stimulite Smart**, an alternative to the Stimulite Sport cushion, has a softer XS top layer and is designed for use by wheelchair athletes or others who do not need the thicker cushioning associated with the Classic and other models. The cushion is 2" (5cm) thick and weighs slightly more than 2lb (1kg). Maximum user weight up to 16" x 16" (40 x 40cm) 200lb (91kg), 17" (43cm) wide and above, 225lb (102kg).

MACHINE WASHABLE

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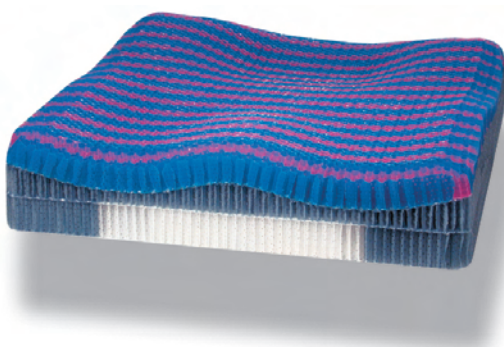
MACHINE WASHABLE

STIMULITE CONTOURED CUSHION



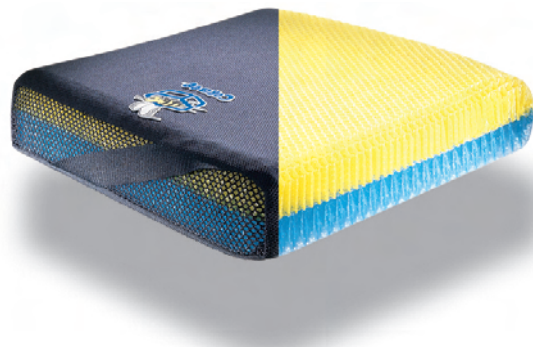
For people who require a higher level of pressure management, the 3.5" (9cm) thick ventilated **Stimulite Contoured** cushion, which weighs only 3.25lb (1.5kg), consists of multiple layers of flexible Stimulite honeycomb specifically engineered with soft and firm areas. A rear dish - featuring a 'sweet spot,' a softer honeycomb that contains the ischials and coccyx - provides optimal pelvic positioning for improved posture and stability. Adductors and an abductor comfortably contain the legs, without impeding transfer. Maximum user weight up to 16" x 16" (40 x 40cm) 250lb (113.4kg), 17" (43cm) wide and above, 300lb (136kg).

STIMULITE CONTOURED XS CUSHION



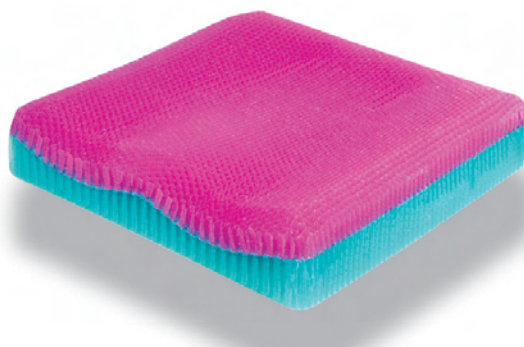
For people with particularly sensitive skin, the 3.5" (9cm) thick, ventilated **Stimulite Contoured XS** cushion, which weighs only 3.25lb (1.5kg), features a soft top layer of specially engineered Stimulite honeycomb fused to two bottom layers. The honeycomb cells contour to body shape enabling bony protuberances to freely sink into the cushion while supporting the surrounding anatomy. A rear dish provides optimal pelvic positioning for improved posture and stability. Adductors and an abductor comfortably contain the legs, without impeding transfer. Maximum user weight up to 16" x 16" (40 x 40cm) 225lb (102kg), 17" (43cm) wide and above, 250lb (113.4kg).

STIMULITE CORBEE® PAEDIATRIC CUSHION



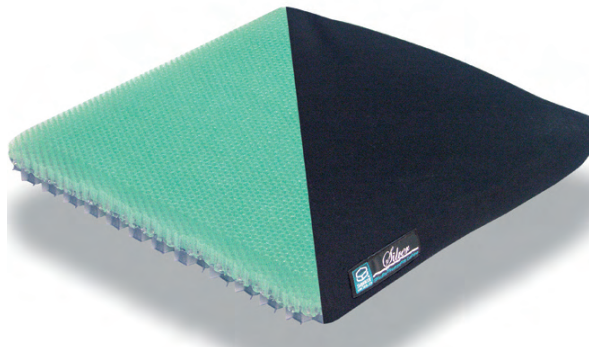
The **Stimulite Corbee** cushion protects children against the leading causes of decubitus by providing maximum pressure relief, reduced shearing and ventilation to control heat and moisture. Honeycomb's innate ability to uniformly distribute weight, contour to any shape and stabilise any sitting position makes the Corbee cushion suitable for a wide variety of anatomies and diagnoses. Weighing 1 to 2lb (450 - 900g), the 2" (5cm) thick Corbee is an easy care cushion for recreational activities and everyday use. Maximum user weight 175lb (79.4kg). Sizes range from 8"-14" (20cm - 36cm).

STIMULITE CONTOURED PAEDIATRIC CUSHION



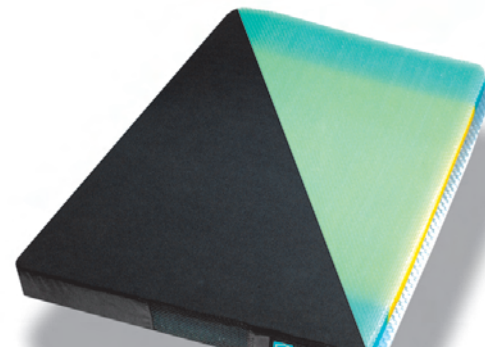
Designed for positioning and comfort, the **Stimulite Contoured Paediatric** cushion consists of a soft top layer fused to a firmer bottom layer of flexible Stimulite honeycomb. Adductors, abductors and an ischial dish comfortably position the child, while the soft honeycomb cells hold him or her securely in place. By providing optimum pressure relief, stability, shear force reduction and ventilation, this very comfortable cushion helps protect children's skin against breakdown. At 2.5" (6.25cm) thick and weighing 1-2lb (450 - 900g), this cushion is suitable for all activities. Maximum user weight 125lb (56.7kg). Sizes range from 10"-14" (25cm - 36cm).

STIMULITE SILVER CUSHION



Designed for people who are at lower risk for pressure sores, the ventilated, two-layer, **Stimulite Silver** cushion can be used in a wheelchair, on a recliner or stadium seat and provides exceptional comfort, stability and support. At 1.5" (3.8cm) thick and weighing only 1lb (450g), you can take this cushion wherever you go. Ideal for travelling, it can be thrown into a car boot or an aeroplane's overhead compartment. Maximum user weight up to 16" x 16" (40 x 40cm) 175lb (79.4kg), 17" (43cm) wide and above, 200lb (90.7kg).

STIMULITE BARIATRIC CUSHION



Consisting of two soft layers of flexible Stimulite honeycomb fused to the back of a robust bottom layer, the high-performance **Stimulite Bariatric** cushion provides maximum pressure relief, stability and ventilation. Weighing only 7-8lb (3.2-3.6kg), the 3" (7.5cm) thick Bariatric cushion is recommended for users over 275lb (124.7kg) and accommodates weights up to 650lb (295kg). An incontinence pad may be inserted between the cushion's top and bottom layers. Sizes range from 20"-30" (51cm - 76cm).