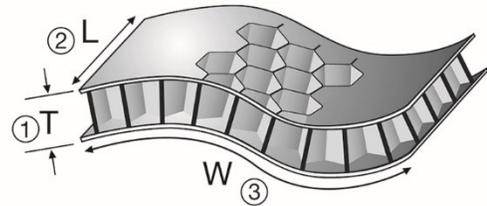


## Engineering Comfort: The Science Behind Stimulite®

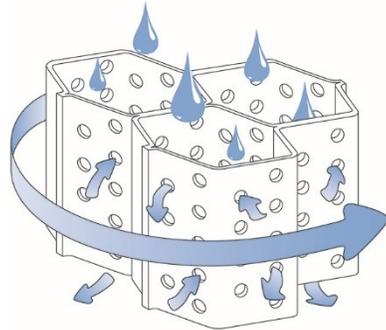
SAN JOSE, CA, May 12, 2016—Most everyone would agree that comfort is subjective. When comparing seat cushions, some passengers prefer a soft cushion while others prefer one that is firm. But the composition of a cushion can also influence comfort.

Unlike traditional foam cushions, Stimulite honeycomb cushions are comprised of a cellular matrix that is more than 90 percent open space. The elastomeric cells are fused together in a pattern of alternating thick- and thin-walled cells. This geometry makes the cushion lightweight and also anisotropic—having different degrees of resistance in multiple directions—thickness, length and width. Anisotropy is what enables the cushion to contour to the body. When sitting on a Stimulite cushion, the cells radiate outward to surround the anatomy, giving a comfortable sensation of support.



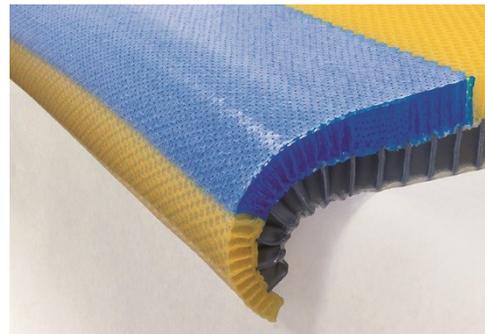
### Anisotropic Properties

1. "T" Direction—Greatest compressive resistance
2. "L" Direction—Excellent lateral stability
3. "W" Direction—Greatest flex while maintaining stability



Perforations in the cell walls circulate air and evaporate moisture to prevent the heat build-up and resulting discomfort which can occur during several hours of sitting. And because the cellular geometry creates an optimum strength-to-weight material, Stimulite cushions can support weight at much less thickness than most foam cushions giving on average a 50 percent reduction in both thickness and weight. A thinner cushion gives more living space, therefore, more comfort for passengers.

In instances where thickness cannot be reduced due to seat pan contours, Stimulite can also be combined with a foam base layer. Made from thermoplastics, Stimulite cushions can be made in any firmness, including regional stiffness with a softer honeycomb under the legs, for example. They are also fully customizable to any shape, washable and completely recyclable.



A leading technology for pressure sore prevention for more than 20 years and a critical component in fighter jet ejection seats, Stimulite cushions are now proudly flying in economy on Swiss International Airlines' new B777, giving comfort to passengers on long-haul flights.

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