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## **Designing the Most Comfortable Bed in the Skies**

SAN JOSE, CA, January 31, 2017—Swiss International Airlines has chosen Supracor's Stimulite® honeycomb technology to provide unparalleled comfort for its first class passengers on the airline's A340's. A flexible form of aerospace honeycomb, Stimulite support surfaces (cushions and mattresses) have features and benefits not found in conventional cushioning materials.

Stimulite's anisotropic cellular matrix contours to the body to provide uniform pressure distribution. Perforations in the cell walls circulate air and evaporate moisture, keeping the body from becoming overheated. Lightweight with more than 90% open space, the honeycomb matrix stimulates blood flow as the cells flex with movement, reducing fatigue and promoting relaxation.

In Swiss' first class seat produced by Thompson Aero Seating, multiple different honeycomb configurations are used to provide the optimum firmness in both seated and lie flat positions with specific zones created seamlessly throughout. The result is a support surface that is fine tuned to address the differences in weight and, therefore, pressure at the head, torso, buttocks and heels.

As a leading supplier of wheelchair cushions and hospital mattresses, Supracor brings its medical experience with support surfaces for pressure sore prevention to the forefront in this project for Swiss. Supracor's zoned and ventilated hospital mattresses provide targeted pressure relief and microclimate control to bedridden patients at risk for pressure sores. Now passengers flying in their first class can experience a proven medical technology that not only relieves pressure, but promotes relaxation.

Supracor's Stimulite honeycomb mattresses are also featured in the B787 and 747-8 aircraft, giving much appreciated comfort to crew. Swiss' decision to go with Stimulite in first class for its A340 retrofit follows the successful implementation of the honeycomb cushions in economy on its new fleet of B777's.

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