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Single and Double-Layer Honeycomb Sandwich Panels Under Impact Loading

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**HIGHLIGHTS**

- Impact response of mono-layer and double-layer aluminium honeycomb sandwich
- Comparison of different types of sandwich in terms of specific absorbed energy
- Analysis of the collapse mechanisms by means of 3D Computed Tomography
- Application of a theoretical approach based on the energy-balance model
- Full scale test allowed the identification of a size effect
- Optimization of the honeycomb layers to obtain progressive energy-absorbers

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