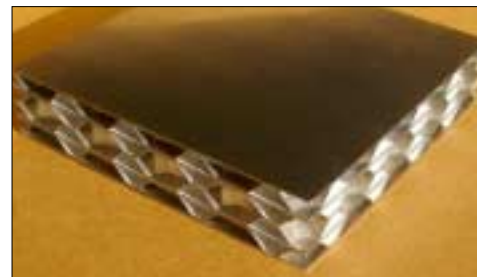
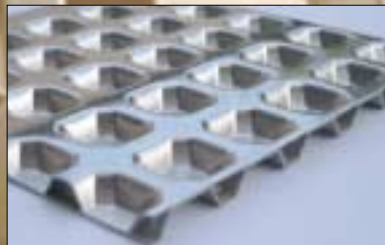


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The borit⁷ lightweight panel

- high stiffness through space truss like structure
- building the steric structure by linking together two equally formed sheets
- very economic honeycomb core replacement with improved properties
- high bending strength of the pure core structure
- high stiffness with small weight (e.g. steel down to 1,6 kg/m²)
- combination of different materials possible
- efficient material application (structural light weight construction)
- cost-efficient manufacturing methods by hydroforming
- geometrically optimised structure with high buckling strength
- pure steel sandwich possible
- thermal insulation by high amount of closed pores
- structure design variations for any loading
- large amount of contact regions for high shear resistance
- square-edged structure builds high buckling strength
- combination of different properties possible (damping - stiffness - thermal insulation)
- optimal use as sandwich cores due to plane and large area contact faces for the deck sheet
- multiaxial load carrying behaviour (isotropic)
- electromagnetic shielding
- aesthetic design

Innovations in
Technique,
Efficiency
and
Design



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