



sphere core SBC for Light-Trucks

- lower truck weight = more freight transportable / better capacity utilization
 - weight reduction through lightened and stiffed sandwich laminates
 - lower energy consumption due to a lighter vehicle
 - traversable floor, suitable for forklifts and jack lifts
 - high stability
 - longevity
 - water resistance

Sphere.core SBC is particularly suited for the production of composite sidewalls, roofs and floorpanels with high stability and superior impact properties. The advantages of Sphere.core SBC are especially in the faster production speed with the use of standard resins by means of continuous or "batch type" (large size tables) production methods. Combining Sphere.core SBC with outer GRP skins result in panels of 8-15 mm thickness with excellent surface quality. Below is a proposal for the production of a sidewall and floor panel for trucks with sphere.core SBC.

A laminate plan for the construction of truck panels

Side panel / roof (thickness: 6 - 8mm)

Gelcoat

1 layer Complex CSM and Multiaxial of 600-900 g/m²

1 layer Sphere.core SBC 6 mm

1 layer Complex CSM and Multiaxial 600-900 g/m²

Total weight: app. 6,5 kg - density: 0,85 /cm³

Floor panels (thickness: app. 15 mm)

Gelcoat

1 layer CSM 450 g/m²

1 layer Complex Multiaxial 600/CSM 450 g/m²

1 layer Sphere.core SBC 10

1 layer Complex CSM 450g/m² / Multiaxial 600 g/m²

1 layer CSM 450 g/m²

1 layer anti-slippery

Total weight: app. 13,0 kg/m² - density: 0,87 g/cm³

For more detailed information and sample requests please visit our webpage www.spheretex.com or contact us at info@spheretex.de or +49210358993.