



sphere core SBC

Sphere.core SBC is the perfect core material for making durable and light composite sidewalls, roofs and floor panels - - - Why?

Properties	Advantages
Low specific weight (compared to solid glass fiber laminates)	Less fuel consumption of the vehicle
Wet-in-wet-lamination	Fast production
Perfect bonding with covering layers	High mechanical properties, no delamination
Compatible with standard resin (UP,VE)	Cost saving
Low shrinkage	Flat panels, no deformation, excellent surface
Screw pull-out strength	Screws can be fixed directly in the laminate, no need to use metal inserts
Low water absorption	High water resistance, high durability
Homogenous laminate	High compression and impact strength

++ Information about screws that are suitable for FRP laminates is available on request ++



Below please find some suggestions for composite panels made with Sphere.core SBC:

Sidewall panel / roof panel:

Gelcoat

1 layer combo mat (CSM 450 g/m² + MX or WR fabric 600 g/m²)

Thickness: approx. 8 mm

1 layer Sphere.core SBC 6,0 mm

Weight: approx. 6,5 kg

1 layer combo mat (CSM 450 g/m² + MX or WR fabric 600 g/m²)

Density: 0,85 g/cm³

(wet pressing)

Floor panel:

Gelcoat

1 layer CSM 450 g/m²

Thickness: approx. 15 mm

2 layers combo mat (CSM 450 g/m² + MX or WR fabric 600 g/m²)

Weight: approx. 13 kg

1 layer Sphere.core SBC 10,0 mm

Density: 0,87 g/cm³

2 layers combo mat (CSM 450 g/m² + MX or WR fabric 600 g/m²)

1 layer CSM 450 g/m²

1 layer anti-slippery coating

++ Sidewall panels: To avoid print-through of glass fibers, we recommend to use a layer of PAN veil behind the gelcoat ++



When you simply need the best

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