

## hand lay up

**sphere** ● ● ● ● ● **core SP** ● ● ● ● ● **sphere** ● ● ● ● ● **core S**  
**sphere** ● ● ● ● ● **core SBC** ● ● ● ● ●

Amusement park equipment, like water slides, is a typical application for Spheretex' core materials - - Why?

### **Sturdy and longlife construction:**

These volumized core materials increase the thickness of FRP laminates and thus provide excellent bending strength.

Tubes are usually made with Sphere.core S or SP, mainly in 2 or 3 mm thickness.

Sphere.core SBC is an ideal core material to reinforce the entrance or exit area of the slide. This means excellent stiffness and a safe, comfortable feeling when stepping onto the platform.

### **Water resistance / screws:**

The water absorption is comparable with solid glass fiber. Screws (to fix handrails, instruction plates etc.) can be fixed easily and permanently.

### **Easy processing (hand lay up)**

Spheretex' core materials are available in 1-10 mm thickness. They can be cut in the required shape simply by using knife or scissors and laminated wet in wet.

Sphere.core S: fast resin impregnation, high mechanical properties, jointless lamination

Sphere.core SP: good drapability, easily adjustable to complicated shapes

Sphere.core SBC: high impact strength, low shrinkage, fast resin impregnation, jointless lamination

## LRTM

**sphere** ● ● ● ● ● **mat C IP** **flowmat**

### **Efficient processing (closed mold process)**

A one layer solution with volumized fibers (Sphere.mat C IP) ensures fast cycle times, low resin consumption (compared to solid glass fiber laminates), outstanding drapability and light weight for laminates of 5- 8 mm thickness.

Flowmat (without volumized fibers) is suitable for thinner laminates up to 4 mm.

Additional layers of PAN veil can be added to improve surface cosmetics.

++ Apply max. -0,6 bar vacuum to ensure fast resin flow and required laminate thickness ++



When you simply need the best

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