

sphere mat C IP flowmat

sphere core SBC IP

Amusement park equipment, like water slides and parts of fun rides, are a typical application for Spheretex' core materials.

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 Flowmat or Sphere.mat C IP. Sphere.core SBC IP is an ideal core material to reinforce the entrance or exit areas of slides. This means excellent stiffness and a safe, comfortable feeling when stepping onto the platform.

Water resistance / screw retention

The water absorption of laminates made with Spheretex ' core materials is comparable with solid glass fiber laminates. Screws (to fix handrails, instruction plates etc.) can be fixed easily and permanently.

Easy processing

Spheretex' core materials for closed mold systems are available in 2-10 mm thickness and up to 254 cm standard width. They can be cut in the required shape simply by using knife or scissors.

Efficient processing

Sphere.mat C IP: This one layer solution with chopped volumized fibers ensures fast cycle times, low resin consumption (compared to solid fiberglass laminates), excellent drapability and low weight of laminates from 4-8 mm thickness.

Flowmat: This stitched material of reinforcing fibers and flow medium (without volumized fibers) is suitable for thinner laminates of up to 4 mm thickness.

Sphere.core SBC IP: It is the perfect material for making sturdy platforms and steps that are subject to high stress. The flow medium inside this core material ensures easy and smooth impregnation of core and covering layers.

++ To achieve ideal results we recommend to apply a vacuum level of -0,6 bar ++



When you simply need the best

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