

sphere core SBC

Sphere.core SBC is the ideal core material for making durable and light molds - - - Why?

Stability of shape: Due to its low resin consumption (approx. 400-450 g/m²/mm) and when combined with mold resins, shrinkage of the mold is almost eliminated.

Easy and efficient processing: Dry Sphere.core SBC material can be cut in the required shape simply by using scissors or a knife. When impregnated with resin, the material gets soft. Overlapping areas can easily and entirely be flattened. Wet-in-wet processing considerably reduces working time.

Resin compatibility: Sphere.core SBC is compatible with UP, VE resin with a normal hand lay up viscosity. Sphere.core SBC HT is compatible with epoxy resin.

Durability: Its high impact strength ensures durability and prevents damages from demolding.

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

Small mold (11 mm thickness)

- Gelcoat
- 1 layer CSM 225 g/m²
- 2 layers CSM 450 g/m²
- 1 layer Sphere.core SBC 6,0 mm
- 2 layers CSM 450 g/m²

} Laminate these layers wet-in-wet

Medium-sized mold (16 mm thickness)

- Gelcoat
- 1 layer CSM 225 g/m²
- 2 layers CSM 450 g/m²
- 1 layer MX 600 g/m² + CSM 450 g/m²
- 1 layer Sphere.core SBC 10,0 mm
- 2 layers MX 600 g/m² + CSM 450 g/m²

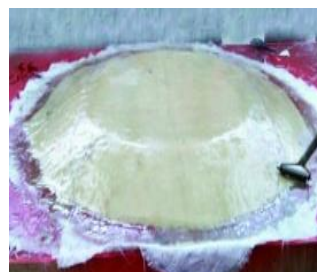
} Laminate these layers wet-in-wet

Big mold (23 mm thickness)

- Gelcoat
- 1-2 layers CSM225 g/m²
- 2 layers CSM 450 g/m²
- 1 layer complex MX 600 g/m²/CSM 450 g/m²
- 1 layer Sphere.core SBC 8,0 mm
- 1 layer CSM 300 g/m²
- 1 layer Sphere.core SBC 8,0 mm
- 2 layers complex MX 600 g/m²/CSM 450 g/m²

} Laminate these layers wet-in-wet

++ For molds made in VIP, we offer Sphere.core SBC IP. Please contact us for more detailed information++



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