# VIK-COMPOSITE

# **TECHNICAL DATA SHEET**

# SK2TM200-1

# Powdered mandrel material

### **DESCRIPTION**

SK2TM200-1 is a powdered mandrel material, which is easily mixed with water. It may be poured or injected into molds to form complex mandrels for composite lay-ups. Material is readily soluble in cold tap water and formulated to minimize air bubbles and voids. It can easily be washed away from the finished part.

SK2TM200-1 saves time, labor and the wash-away feature minimizes the possibility of damaging fine details.

This product is used in various manufacturing processes of parts made of composite materials.

### **Benefits**

- · Easily mixed with water
- · Makes complex part manufacturing simple
- Pourable and injectable
- Easily dried in a convection oven
- Environmentally friendly, no special
- Easily repaired and re-formed disposal procedures required
- Reduces labor
- · Washes away in cold tap water
- Saves money
- · Compatible with all commercial resins
- Saves time prepreg compounds

It is recommended to seal the tool with SK2TM200-4 to prevent resin migration.

## ► TECHNICAL DATA

Material type: Powder Color: White

Compressive strength:  $596 \pm 46$  pci (pound per cubic inch) at  $21^{\circ}$ C

Density Dry: 573,46 kg/m³

Coefficient of Thermal Expansion: 3.6 x 10<sup>-6</sup> mm/mm°C

Drying at 120 to 135°C for 1.5 hour per inch (2,5 cm) of thickness in a hot air convection oven. Drying time can vary depending on geometry and size, you can control this by measuring weight loss in certain time steps.

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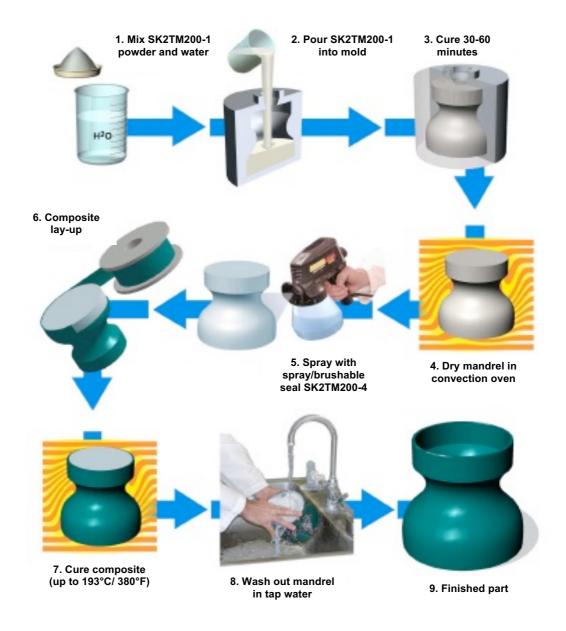
# SK2TM200-1

# **Powdered mandrel material**

# ► SIZE

Volume	Weight
5 Gal (18,9 L)	Pail, Ø 330 x 380mm, 7 kg
55 Gal (208 L)	Drum, Ø 600 x 930mm, 77 kg

## **▶ WATERSOLUBLE MANDREL PROCESS**





# **TECHNICAL DATA SHEET**

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Powdered mandrel material

Shelf life: 24 months.

Storage conditions: it is recommended to store at temperature from +10°C until +30°C in the original packing.

## **► NOTE**

Please contact us for getting special manufacturing guide with involved techniques and properties of the product.