



# SC 175

“ Easy to use, very good stability: CTE 70 ”

**HIGH THERMAL STABILITY  
EXTRUDABLE PASTE**



# SC 175 Epoxy extrudable paste

## MARKETS

- ✓ Composite applications in general
- ✓ Aeronautics, Windmill , Marine

## APPLICATIONS

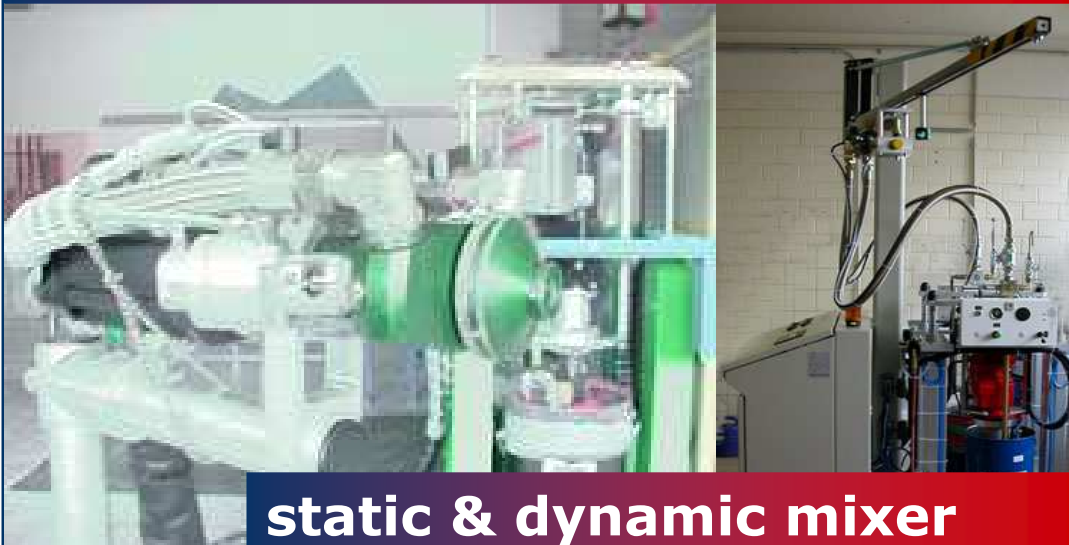
- ✓ To make a large model /tool

SC 175 has been designed **for marine, wind energy and automotive customers** looking for a fast and reliable way to manufacture patterns and direct mould

## 1) Benefits - characteristics

- With a High Tg.
- Low CTE: 70.
- Easy to process 1/1 mixing ratio.
- Good dimensional stability and low density: 0.63.
- Low exotherm, can be machined after 1 day cure at room temperature
- Layer thickness 30 mm without slump on vertical surfaces.
- Pasty component material (no sagging).
- Smooth surface aspect & non porous.
- Easy to repair (see page 4).

## With Main Machine Suppliers ...



static & dynamic mixer

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## 3) Application tips and repair

### Application of a selection only

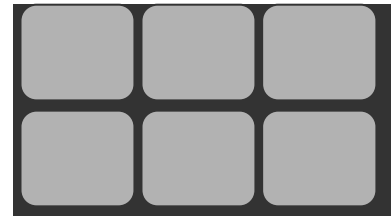
#### Example of application in patches

- Do not apply the paste in large sections without gaps

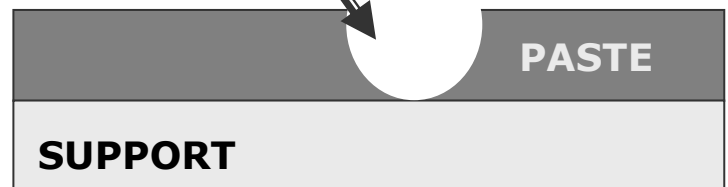


Radius 15-20 mm

Max 2x1 m



- You can also use a spatula with radius of 15-20 mm to divide a large area in smaller surfaces.



**Fill up the gaps with fresh paste before complete curing of the surface.**

- **Possibility to apply in one layer up to 30 mm** ; usual extruded thickness 12-20 mm  
Easy use, simplify general ergonomics
- **Good behaviour on vertical support** up to 30 mm

Easy calibration and mixing thanks to a 2 component extrusion equipment limiting production and manpower cost.

### Supporting structures

**Can be applied on many material:** polystyrene ( PS), PU foam, composites. On the PS possibility of applying a staple fabrics 400 - 450 g / m2 with an epoxy standard resin (like Epolam 2001) . Adhesion troubles on wood (African soft wood type Abachi).

- Usual material PU foam boards family (Labelite)
- Polystyrene foam
- Aluminium sandwich panels, honeycomb panels
- Sandwich panel with glass fibres and laminating resin covered ( PU foam).
- Balsa wood + glass fibers
- According to the size of the model, a welded metallic structure is also needed.

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## **REPAIR:**

**We propose different systems for paste reparation:**

→ **This 3 putties could be applied on full cured paste for surface modifications**

### **A 77P**

- **A 77P** quick setting polyester putty for standard uses, grey colour similar to the SC 175 paste. Appreciated repair putty A77P/ GY, low CTE and low exothermal.

**Available:**

3.5+ ( 7x0.03) ref 07134

10 + (20x0.03) ref 07136

### **APF 7**

- **APF 7** quick setting polyester putty styrene free . The main application is: **High performance composite mould repair**

**Available:**

(6+1.36) ref Z35356

### **M 175**

- **M 175** quick setting epoxy putty specially dedicated for SC 175 repair and modification application .

Easy to fill up gaps to 3 mm

**M175 available:** 3 kg + 3 kg et 200 kg +200 kg

### **SC 175**

**In comparison with all existing epoxy paste on the market, SC 175 gives the best temperature resistance . Also this new SC 175 has a lower density and allows better machining and smoother aspect.**

**available:** 114 + 114 Kg and 25 + 25 Kg

