

# Repairing surface defects with filler for overcoating with powder coating

The key to an optimal coating structure is the condition of the surface to be coated. It must be smooth and even. To achieve this, painters use fillers adapted to the material (e.g. steel, aluminium). This allows bumps, deep scratches or other uneven sections to be smoothed out.

### **Recommendation**

For this application, we recommend a filler based on unsaturated polyester resin. It should have a pot life approx 30 min., be smooth to apply (non-porous surface) as well as readily grindable.

### **Performance**

1. Mix 2C filler with hardening agent in accordance with the manufacturer specifications
2. Fill uneven surfaces (layer thickness according to manufacturer's specifications)
3. Allow to air dry or harden according to manufacturer's specifications.
4. If necessary, carry out intermediate grinding and fill again
5. Grinding the finish: - Pregrinding, e.g. with P120 grain size  
- Re grinding, e.g. with P280 grain size
6. Apply an overcoat with powder coating in accordance with the manufacturer specifications

### **Note:**

Excessive filler thickness can lead to surface defects (e.g. blisters, pinholes). The feasibility must always be checked in advance under original conditions.