

# Powder Coating repairing - overcoating - adhesion

## 1. Repairing

In order to repair flaws of object mountings, small coating defects, scratches and damage to powder-coated surfaces and/or edges, the following two solutions are available.

These solutions are not suitable for extensive overcoating of powder coatings!

### **Tincture touch-up stick: Item 535002 (20 pieces at 20 ml)**

The paintbrush bottle is filled with a transparent tincture for the individual manufacture of the repair coating. A lid cap is filled with the corresponding powder coating, which is then poured into the bottle, e.g. with the aid of a paper funnel. The powder coating is mixed into a homogeneous repair tincture via intensive shaking. This can now be applied to the relevant flawed area. After a short time, the repaired area will dry and the visual flaw will be concealed.

### **EFD repair coating: Item KP1053 (> 1 litre)**

The repair coating is a solvent-based 1C coating which matches the colour and gloss level of the powder coating. The coating can be applied to the relevant flawed area using a brush, roller or spray gun. After a short time, the coating will dry and the visual flaw will be concealed.  
(additional info: see the KP1053 technical data sheet)

## 2. Multicoloured coating with powder coatings

Differently coloured object coatings are also possible.

### **Liquid coating on powder coating**

Here, good adhesion between both coating systems must be ensured.

A preliminary test is necessary. Sanding the powder coating is recommended in this case.

### **Powder coating on powder coating**

Here, good adhesion of the coating layers must be ensured.

A preliminary test is necessary. Sanding can lead to improvement.

The following work/challenges arise:

- masking work
- double baking process
- high overall layer thicknesses (2 x powder coating layer)
- 2 application areas required or second coating without recovery  
(expensive and time-consuming)

## 3. Use of screen print and/or sticker on powder coatings

Close cooperation with the screen print colour or sticker manufacturers is recommended. The suitability must be checked on a case-to-case basis.

For structured powder coatings, the adhesion of stickers is made difficult due to trapped air between the sticker and powder coating surface.