CBR 2109 ALLUVIAL TIN REPLACEMENT

PRODUCT DESCRIPTION

CBR 2109 is a medium-viscosity, stable and fast-curing 2-component epoxy resin adhesive and levelling compound for a wide range of applications.
CBR fulfils filling and bonding tasks between a wide variety of materials. This mineral-filled reactive resin system was specially developed as a filler for joints and seams (no contact corrosion).

In particular, CBR 2109 is also used in the automotive industry as a paint carrier system and alluvial tin substitute.
The short curing time (less than 30 minutes at elevated temperature) and easy handling allow cost-effective application.

CBR 2109 is supplied in a 2-component single-piston cartridge with a static mixing spiral.
The fixed mixing ratio and correct mixing in the static mixing spiral guarantees the product properties and consistent quality when processing the material.

CHARACTERISTICS

- Good adhesion to steel, aluminium, zinc, plastics and minerals
- Easy mechanical processing (drilling, milling, planing)
- High stability, no sinking, no running
- Easy to model
- Fast curing, which can be increased by adding temperature
- Can also be sanded immediately afterwards by hand
- High temperature resistance (up to +110 °C)
- Light grey colour after curing

TYPICAL APPLICATIONS

- Alluvial tin substitute
- Carrier system for paints
- Filler in car body construction
- Joint filler for a wide range of applications

STORAGE / SHELF LIFE

Store in the original, unopened container in a dry place at 5 °C to 20 °C.
Shelf life 18 months. Protect from direct sunlight.
Higher temperatures reduce the shelf life.

SCOPE OF DELIVERY

1 x 200 ml standard 2K single-piston double cartridge
3 x mixing spiral 2:1

Item no. 542040

Product data mixed	
Pot life	30 minutes at 20 °C
Fully cured	4 hours at 20 °C (surface remains tacky)
Curing overcoating	After approx. 1.5 – 2 hours at 20 °C
Curing with forced drying	15 minutes at 80 °C (IR lamp)
Processing temperature	10 °C to 50 °C

Product data reacted product	
Density	1.55 (g/cm³)
Hardness	84
Temperature resistance (permanent)	-40 bis +110 °C
Colour after curing	Light grey

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APPLICATION

PREPARATION OF THE ADHESION SURFACE

Correct surface pre-treatment is a prerequisite for the successful application of CBR 2109. The surface must be free of grease, clean and dry. Paint and other residues such as adhesive residues must be completely removed. The substrate must be sanded to a bright metallic finish with a grit size of P60.

A good result can also be achieved with a brush blasting machine. After this preparation, the surface should be cleaned with a residue-free cleaner.
The application temperature must be between 10 °C and 50 °C.

MIXING AND APPLICATION

CBR 2109 is supplied in a closed 2-component single-piston cartridge.

Optimum mixing is guaranteed by the attachable static mixing spiral - manual mixing is not necessary.

Handling:
1. Loosen and remove the screw connection on the cartridge head
2. Pull off the sealing plug
3. Screw on the static mixing spiral

Insert the prepared cartridge into the cartridge gun. The first 5 cm of the squeezed out material should not be used.
Dispose of the material until a uniform grey colour is achieved. Briefly clean the tip of the mixer and start applying material to the assembly. The applied material can be perfectly modelled and shaped with a plastic spatula.

Material processing should be completed within 15 minutes. If not all of the material is used, unscrew the mixing spiral and close the cartridge with the previously removed sealing plug and screw cap. Any unused material can be used for subsequent applications within the shelf life.

Remove the partially empty cartridge from the dispenser. Unscrew the static mixing spiral from the cartridge and dispose of it. Avoid mixing the resin and hardener at the now open discharge opening, otherwise the polymer will harden. Close the cartridge with the sealing plug and the union nut.

CURING

CBR 2109 cures at room temperature within 4 hours - without increasing the temperature, the surface remains slightly tacky for approx. 96 hours.

For a perfect result in combination with colour build-ups and fillers and to speed up the curing process, we recommend the curing procedure described above at temperatures up to 85 °C.

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