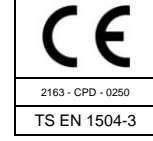




# BAYCODUR-K150

## Concrete adhesive and repair mortar



### Description:

BAYCODUR-K150 is a solvent free two-component epoxy resin.

### Primary Uses:

BAYCODUR-K150 finds application in bonding pre-cast concrete units (e.g. sewer pipe rings), filling out wide joints in concrete, grouting and bonding of metal tracks, flanges and profiles, back-filling of anchorings, rebare anchoring, guardrail posts etc.

### Properties/Advantages:

- High tensile adhesion strength.
- High compressive and flexural strength.
- Resistant to a multitude of dilute acids, alkalis and water aggressive to concrete.
- Can be washed off with water while in the fresh state.

### Technical Properties:

Basis:	2 component epoxy resin
Colour:	grey
Viscosity:	pointing consistency
Density:	approx. 1,80 g/cm <sup>3</sup> at +23°C
Material consumption:	approx. 1,80 kg/m <sup>2</sup> /mm thickness
Mixing ratio:	3:1 parts by weight
Pot life:	approx. 60 minutes at +20°C
Open time:	approx. 20 minutes at +20°C
Curing temperature (material/substrate):	+10°C to +30°C
Overcoat after:	minimum 16 hrs, maximum 24 hrs at +23°C
Light traffic / fully cured:	after 48 hrs/7 days at +23°C
Tensile strength:	concrete failure
Compressive strength:	approx. 50 N/mm <sup>2</sup> (DIN 1164, part 7)
Flexural strength:	approx. 25 N/mm <sup>2</sup>

### Substrate preparation:

The area to be treated must:

- Be dust free, dry, sound, load-bearing and with good grip.
- Be free from separating and adhesion inhibiting materials such as dust, laitance, grease or similar.

Dependent upon the condition of the substrate to be treated suitable methods for preparation should be adopted such as e.g. Planing, scabbling, grit-blasting, shot-blasting.

Commensurate with the particular substrate the following criteria must also be fulfilled:

### Cementitious areas:

- Concrete rating: min. C20/25
- Age of substrate: min. 14 days
- Tensile adhesion strength: > 1,5 N/mm<sup>2</sup>
- Residual moisture: < 4%  
(Carbide hygrometer method)

Iron and steel surfaces are to be abraded to bright metal and protected with an active corrosion inhibitor.

### Mixing:

Both components A (resin) and B (hardener) are delivered in a pre-determined mix ratio. Tip component B into component A until empty. It is advantageous to mix both components with a mechanical mixer at approx. 300 rpm (e.g. slowly rotating drill with paddle). Mix very thoroughly. It is imperative to stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (free from striations). Do not use the mixed material directly from the delivered packaging. Decant the mass into a clean vessel and mix through once again. The temperature should be approx. +15°C.

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# BAYCODUR-K 150

## **Application:**

Apply BAYCODUR-K150 onto the prepared substrate with a trowel, float or notched trowel and spread evenly, over the substrate.

Minimum bed thickness: 2,0 mm

When bonding pre-cast concrete (sewer pipe rings) remove excess material with a spatula/trowel once the individual units have been positioned. When used as a grout, place the BAYCODUR-K150 in the prepared opening. Ensure a careful application and compaction to prevent voids.

## **Packaging:**

4 kg containers. Both components are delivered at a pre-determined mixing ratio.

## **Cleaning of Tools:**

All tools must be thoroughly cleaned with water with each interruption in work.

## **Storage & Shelf Life:**

Minimum 12 months when stored cool and dry above +10°C in the original unopened container.

## **Health & Safety Information:**

Once cured BAYCODUR-K150 is physiologically harmless. The hardener (component B) is corrosive, avoid contact with skin! It is recommended that protective gloves be worn. Clean contamination with plenty of soap and water, for best results add 2% household vinegar.

Should splashes enter the eye, rinse immediately with plenty of water. Subsequently rinse out with an eye wash bottle filled with boric acid solution then seek medical attention immediately from a eye specialist.

In all cases the general protective provisions from the government safety organisation should be observed.

## **Advice:**

- Lower temperatures increase consumption. The material also loses its good workability and the reaction time increases. High temperatures shorten the pot life.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the technical services department of AB-SCHOMBURG.

Please observe a current valid EU health and safety data sheet.