

## TI 134

Technical Information Surface Protection Linings  
Issue 16.03.2020

# ALKADUR BK

Bonding agent between fresh and old mortar-bound substrates.

## Base

Epoxy resin

## Material Group

Primers, levelling compounds

## Description and use

Synthetic resin based bonding agent between existing and newly applied concrete/screed. The following application is carried out fresh in fresh.

## Substrate

### Requirements

Processing temperature	approx. 15–25 °C
Dew point distance	> 3 K
Dew point distance from 70% air humidity	> 5 K

Optimal temperature is 20 °C. Higher and lower temperatures influence the processing time and consistency of the compounds and can change consumption, coating thickness and properties.

### Concrete / screed

Refer to DIN EN 14879-1 as well as to STEULER-KCH-Formsheet 010.

To attain a sufficient adhesive tensile strength, the substrate is generally to be pretreated in such a way that it is free of cement slurry, cement skin, loose and crumbly particles, structure imperfections and separating substances.

The residual moisture of cementitious substrates must not exceed 4 %.

The condition of the substrate must be documented by STEULER-KCH-Test protocol 006 (concrete) or STEULER-KCH-Test protocol 007 (screed).

### Moisture

During application, the substrate must be kept absolutely dry. No moisture (condensate, mist, etc.) must get onto the material.

## Packaging / Shelf life

All components must be stored and transported dry. The minimum storage life applies to a storage temperature of 20 °C, unless otherwise specified. Higher temperatures reduce, lower temperatures increase the shelf life.

Components	Item number	Package	Content	Shelf life
Alkadur-BK-Solution 1	5035109007	Bottle	1 kg	24 Months
Alkadur-BK-Solution 2	5035110023	Drum	2.5 kg	24 Months

For handling, transport and storage observe the relevant material safety data sheets.

## Mixing Ratio / Consumption

### Alkadur BK

Component	kg/m <sup>2</sup>	kg / batch	l / batch
Alkadur-BK-Solution 1	0.086	1.000**	1.020
Alkadur-BK-Solution 2	0.214	2.500**	2.200
<b>Total</b>	<b>0.300</b>	<b>3.500</b>	

Total consumption in kg/m<sup>2</sup> (approx.): 0.300      Work steps: 1

The consumption depends on the absorbency of the substrate.

Batch creates in m<sup>2</sup> (approx.): 11.7

## Pot Life

Pot life depends on temperature:

20 °C	approx. 120-180 minutes
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## Waiting and curing times

Subsequent layers of concrete or screed must be applied in the fresh pre-coat.

## Safety and Disposal

- sufficient aeration and de-aeration (especially in tanks and pits)
- No smoking / no fire
- Refer to the Safety Data Sheets.
- Observe danger references and safety recommendation labels.
- Wear required personal protective equipment (avoid skin contact with materials).
- Clean and protect hands with skin protective soap and skin protection cream (no solvents).
- Wear a dust mask when sanding (e.g. for repairs).
- Instructions as per § 14 of GefahrstoffV (Toxic Substances Act) and TRGS 507 (Technical regulations for Hazardous Substances - Germany).
- Accident precautions issued by the Liability Insurance Association for the Chemical Industries (Germany).

Do not expose materials to heat or open flame, this applies in particular to welding works (weld beads).

Preferably consume residual quantities. Do not pour into a spout or dustbin! Collect separately for disposal in durable, lockable and labeled containers.

## GISCODE

Product	GISCODE
Alkadur BK	RE 1

## Cleaning of Equipment

Tools soiled with uncured materials can be cleaned with STEULER UNIVERSAL CLEANER (Technical Information TI 190). Only clean in well ventilated areas.

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This issue replaces all previous versions.