

TI 137

Technical Information Surface Protection Linings
Issue 21.12.2022

ALKADUR FB

Solvent-free primer for moist and continuous moist concrete substrates.

Base

Epoxy resin

Material Group

Primers, Levelling compounds

Description

Solvent-free primer for moist and continuous moist concrete substrates. The system achieves a good adhesive strength. Blistering caused by osmotic processes is prevented.

Application

Primer for cementitious substrates which avail continuously high residual moisture or which still have residual moisture > 4% at the beginning of coating. Please contact our Application Technology Department for approval of the project specific possible application.

Properties

- good adherence
- for substrates which avail continuously high residual moisture > 6 %
- for hydraulically curing substrates with residual moisture > 4%

Substrate

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.

Moisture

Before the application, the substrate must remain optical dry. Uncured material has to be protected from any kind of moisture.

Packaging / Shelf life

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

Component	Item number	Package	Content	Shelf life
Alkadur-FB-Solution ^[1]	5035164041	Drum	8 kg	24 Months
Alkadur-FBN-Hardener ^[1]	5035163152	Drum	4.6 kg	24 Months
SKC-Filler 16	5011203001	Bag	25 kg	24 Months

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

Mixing Ratio / Consumption

Alkadur FB

	Part by weight	Part by volume
Alkadur-FB-Solution	1.74	1.5
Alkadur-FBN-Hardener	1.00	1.0
Consumption	0.500 kg/m ²	
Application steps	1 (Floor); 2 (Socket / Wall)	
Spreading with SKC-Filler 16; consumption: 3.000 kg/m ²		

Waiting Times

The waiting times between the individual applications depend on temperature:

Temperature	Until further processing
15 °C	minimum 12 h
20 °C	minimum 8 h
30 °C	minimum 6 h

The maximum waiting time between operations is 24 hours at 20 °C.

Pot Life

Pot life depends on temperature.

8 °C	approx. 100 minutes
20 °C	approx. 60 minutes
30 °C	approx. 30 minutes

Curing times

To support foot traffic depending on temperature approx. 6 – 12 h.

^[1] pre-dosed package

Safety and Disposal

- sufficient ventilation and venting (especially in pits and tanks)
- No smoking/no fire
- Refer to the safety data sheets
- Observe hazard warnings and safety instructions on 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 during grinding work (e.g. during repairs)
- Operating instructions as per § 14 of GefahrstoffV (Toxic Substances Act) and TRGS 507 (Technical regulations for Hazardous Substances - Germany)
- Accident prevention regulations by the Liability Insurance Association for the Chemical Industries (Germany)

Avoid direct contact of the materials with the flame, especially during welding work (welding beads) on site.

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

GISCODE

Product	GISCODE
Alkadur FB	RE55

Cleaning of Equipment

With STEULER UNIVERSAL CLEANER, Technical Information TI 190. Only clean in well ventilated areas.

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This issue replaces all previous versions.