

TI 135

Technical Information Surface Protection Linings
Issue 18.09.2019

ALKADUR FF

Two-component primer for not fully cured concrete substrates.

Base

Epoxy resin

Material Group

Primers, levelling compounds

Description

Solvent-free epoxy resin-based system, providing good adhesive properties on 14 days old concrete surfaces, with a residual moisture content of max. 6 %.

Use

A Primer for epoxy-resin-based self-levelling or trowel-applied systems, under accurate examination of and in accordance with the following conditions:

- Age of the Substrate: at least 12 - 14 days
- Maximum content of residual moisture: 6 %
- Measuring of the moisture with CM-device
- Depth of the measurement 20 mm
- Minimum temperature of material and subject: 8 °C
- Maximum temperature of material and subject: 30 °C (cool down material to 20 °C)
- Surface of the substrate: to be prepared by blasting or blastracing in order to achieve a surface roughness of min. 0.3 mm

Properties

- good adherence
- Age of the Substrate: at least 12 - 14 days, maximum content of residual moisture: 6 %

System Design

- Alkadur FF two layers + Sprinkling with SKC-Filler 16

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.

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

Packaging / Shelf life

All components must be stored and transported dry and frost-free. 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
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Alkadur-FF-Solution 1	5035167026	Jug	2 kg	24 Months
Alkadur-FF-Solution 2	5035168004	Drum	6 kg	24 Months
SKC-Filler 16	5011203001	Bag	25 kg	24 Months

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

Mixing Ratio / Consumption

Alkadur FF

	Part by weight	Part by volume
Alkadur-FF-Solution 1	1.00	1.00
Alkadur-FF-Solution 2	3.00	2.7
Consumption	1st sealing: 0.350 kg/m ² , 2nd sealing: 0.300 kg/m ²	
Work steps	2	
Spreading with SKC-Filler 16; consumption: 0.800 kg/m ²		

Waiting Times

The waiting times between the individual orders depend on the temperature:

8 °C	minimum 12 h
20 °C	minimum 7 h
30 °C	minimum 3 h

Pot Life

Pot life depends on temperature:

8 °C	approx. 100 minutes
20 °C	approx. 35 minutes
30 °C	approx. 20 minutes

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 FF	RE 1

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.