



INSTRUCTIONS PANEL CLEANING

CONTENT

Cleaning small scratches and rust	03
Cleaning concrete residue	04
Cleaning with the high pressure washer	05
Cleaning with the rotation cleaner	06
Preparation for SB3 application	07

PICTURE CREDITS

> alkus AG or alkus AG / Jens Ellensohn, with the following exceptions:

P. 7

> iStock, kaarsten, edited (top)

P. 8

> iStock, phillipb81 (on the bottom)

P. 9

> MEVA (top)

P. 10

> iStock, PeskyMonkey, edited

CLEANING SMALL SCRATCHES AND RUST



1

Scratches and excess material of between 0.5 mm and 1.0 mm can be removed using an alkus® scraper.



2

The alkus® scraper can also be used to remove residues of rust adhering to small areas of the panel.



3

In the case of large-area rust residues, the alkus® panel can alternatively also be cleaned with the rotation cleaner.



4

Note:

Correct storage of the frame elements, e.g. with stacking aids/spacers, can minimize rust buildup.

CLEANING CONCRETE RESIDUE



1

alkus[®] concrete scraper

Note:

If shavers are used, then care should be taken that the alkus[®] panel is not scratched. In case of adhesion of larger quantities of concrete, the panel can be cleaned with the alkus[®] concrete scraper.

CLEANING: HIGH PRESSURE WASHER



1

The alkus[®] solid plastic panel can be cleaned with a high pressure washer.



2

Up to 1000 bar / 14,500 psi



3

Minimum distance: > 30 cm (1') max. 1000 bar (14500 psi)

Additionally, a 'dirt blaster' or rotary nozzle is recommended.

Note:

If damage is caused to the alkus[®] panel by high-pressure cleaning, then the spraying pressure or the distance must be adjusted.

CLEANING: ROTATION CLEANER



Cleaning
Video: www.youtube.com/alkusAG



1

Cleaning pads and abrasive cleaning grits are used when cleaning with the rotation cleaner. Depending on the degree of soiling, abrasive cleaning grits in various grit sizes are used.

- A** alkus[®] drive disc incl. hook-and-loop fastener
- B** Cleaning pad for the rotation cleaner
- C** Abrasive cleaning grit
- D** Additional weight



2

The process is made more efficient by applying additional weight.



3

In order to flush off the abrasive material and dirt out of the cleaning area and to keep the cleaning pad and abrasive cleaning grit free of build-up, it is recommended to rinse with water. Cleaning not only removes dirt and concrete residues, it also smooths nail and scratch protrusions.



4

A further positive effect is the polishing of the alkus[®] surface, which then results in reduced concrete adhesion when stripping the formwork. As a final step, the dirty water is drawn off with the water squeegee.

RECOMMENDATION FOR PREPARATION OF alkus[®] FOR SB3 APPLICATION

To fulfil SB3 requirements, it is imperative that the surface of an alkus[®] form-work panel be pre-treated (matted) prior to the first concreting operation. This recommendation document is intended to serve as a guideline. All information is provided without warranty.

The alkus[®] panel contributes just one part to the whole when producing a good-quality fair-faced concrete surface. Other factors, such as concrete formulation, release agent, release agent application, etc., also have a considerable influence.

If you have any questions, we will be happy to advise you at any time so that you can successfully create the desired exposed concrete surface.



1

Align alkus[®] panel and clean from impurities such as chips, dirt or other impurities (with air supplying device if this is available).



2

Prepare rotation cleaner with additional weight and abrasive cleaning grit 320 incl. water supply.



3

Pretreat the surface several times with rotation cleaner (both lengthwise and crosswise). This step must be carried out "wet", i. e. with water being continuously applied.

RECOMMENDATION FOR PREPARATION OF alkus® FOR SB3 APPLICATION



4

Using a new, clean water squeegee, remove water residues until the surface is completely dry. Attention: Do not walk on the pretreated areas with your shoes on!



5

Using a high-pressure sprayer with stainless steel nozzle, apply form release agent as a light spray mist (Important: min. 6 bar operating pressure in the sprayer and spray mist). It should be noted that no long storage with form release agent is allowed due to the fact that dust and other dirt particles can collect on the surface and affect the concrete surface.



6

Since the form release agent was applied as a spray mist using a high-pressure sprayer, there are no further steps before concreting. In case of doubt and if the amount of form release agent is too high, remove the excess form release agent evenly and in one direction with the water squeegee (Caution: do not leave streaks on the surface). Attention: see Point 4.



7

Carry out the concreting work.

RECOMMENDATION FOR PREPARATION OF alkus[®] FOR SB3 APPLICATION



8

When stripping the formwork, make sure that the surface is not scratched or damaged (maintain a distance when lifting with the crane).



9

For SB3 requirements, it is not recommended to use a concrete scraper to remove concrete residues. Rather, use a high-pressure cleaner to remove concrete residues (up to max. 1,000 bar / 14,500 psi pressure). It is recommended to use a rotating nozzle. The pressure must be matched to the nozzle in order to avoid surface damage to the alkus[®] panel.



10

After each stripping of a building element, it is strongly recommended to clean the formwork facing again (repeat Points 3 – 6).

Important: Handling must be carried out meticulously and cautiously, otherwise scratch damage may be incurred on the surface. Such scratches will be visible in the finished concrete face (e.g. pencil marks or shoe prints). We will be happy to advise you regarding your fair-faced concrete project.

alkus[®] | innovative systems

Sales & Marketing

alkus AG
Gewerbeweg 15
9490 Vaduz
Liechtenstein

Phone: +423 236 0030
E-Mail: mail@alkus.com

www.alkus.com

Sales & Marketing USA

alkus North America Inc.
62-64 Enter Lane
Islandia NY 11749
USA

Phone: +1 616 490 4174
E-Mail: mail@alkus.com

www.alkus.com

Research & Development

alkus GmbH & Co. KG
Kunststoffverbundsysteme
Im Auchtert 8
72186 Empfingen
Germany

Phone: +49 748 598 389910
E-Mail: mail@alkus.de

www.alkus.de