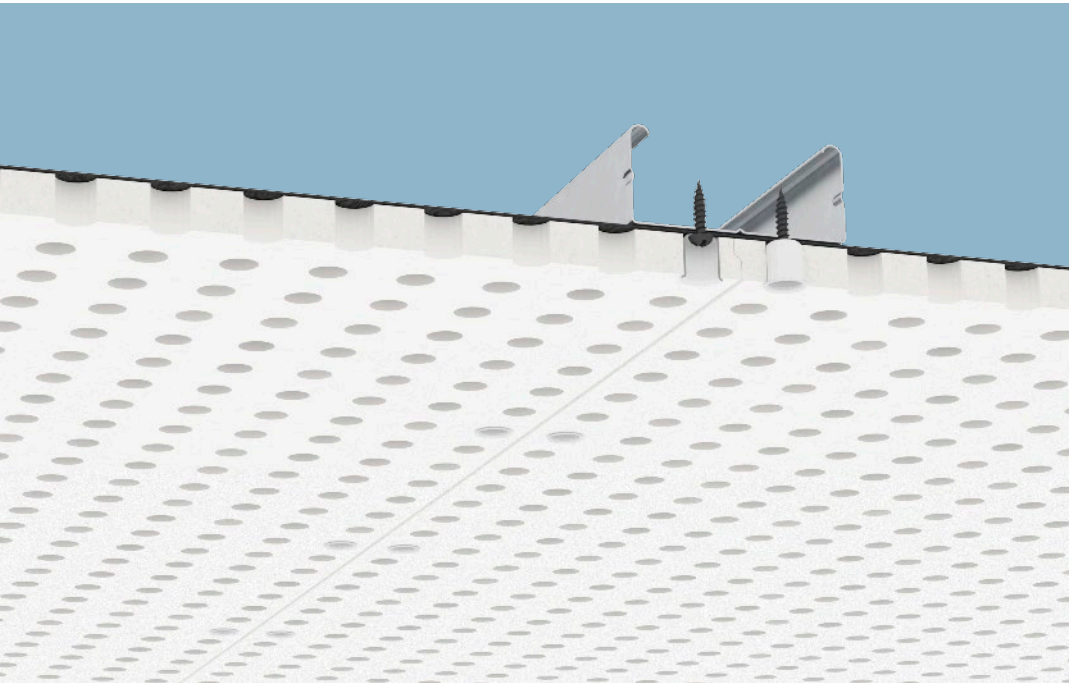


### Note on English translation / Hinweise zur englischen Fassung

This is a translation of the installation guide valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.

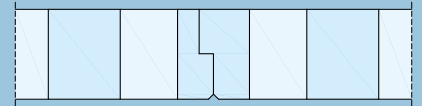


Drywall Systems

# K761L-A01.de

Installation Guide

2020-06



## Cleaneo linear Installation Guide

Cleaneo Classic

# Contents

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<b>Introduction</b>	
<b>General instructions</b> .....	3
Usage instructions .....	3
Legal notes .....	3
Qualified personnel .....	3
Intended use of products and systems .....	3
<b>Installation</b> .....	4
Edge designs .....	4
Application scheme for large ceiling surfaces .....	5
Knauf tools .....	5
Board installation .....	6
Check the perforation design .....	6
Fastening the boards .....	7
<b>Surface treatment</b> .....	8
Surface treatment .....	8
Decorative coats .....	8

## Usage instructions

### Notes on the document

This installation guide is intended as an aid for the installation of prefabricated products. It contains specifications on the scope of delivery, proper professional installation as well as test and adjustment of the product when necessary. The contained information and specifications, constructions, details and stated products are based, unless otherwise stated, on the certificates of usability (e.g. National Technical Test Certificate (abP) valid at the date they are published as well as on the applicable standards. Additionally, design and structural requirements and those relating to building physics (fire resistance and sound insulation) are considered where required.

### References to other documents

- System data sheet [D12.de Knauf Cleaneo Acoustic Board Ceilings](#)
- Product data sheet [K761L.de Cleaneo linear](#)
- Product data sheet [K533.de Cleaneo-Caps](#)

## Legal notes

### Safety instructions

This installation guide contains instructions that must be observed to ensure your personal safety and to avoid material damage.

#### Caution

Indicates a potentially harmful situation. If this is not avoided, the safety of the installation personnel or end user may be impaired and/or damage to the product or surrounding area may result.

#### Note

Provides useful information on the product or system.

## Qualified personnel

The respective tasks for the product/system described in this guideline may only be performed by suitably qualified personnel. The safety and warning notes must be observed. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products or systems.

## Intended use of products and systems

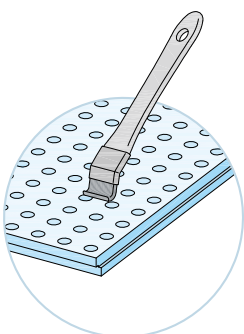
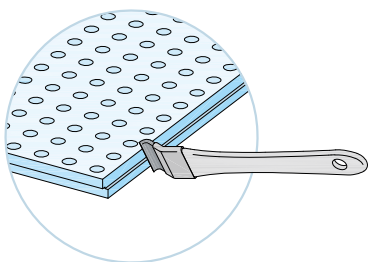
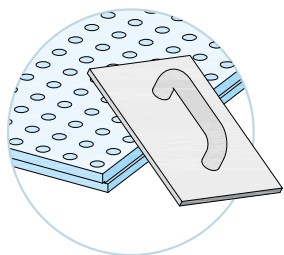
Please observe the following:

#### Caution

Knauf products/systems may only be used for the application cases as stated in the Knauf documentation. In case third-party products or components are used, they must be recommended or released by Knauf. Flawless application of products or systems assumes proper transport, storage, assembly, installation and maintenance.

### Edge designs

The edges of Cleaneo linear boards are factory primed and bevelled. The face side is applied with a bright white board liner and factory-primed.



The special edge types of Cleaneo linear with one front edge and one long edge linear as a notch, see Image 1, as well as one front edge and one long edge linear as a lap, see Image 2, easily facilitate precise alignment of the perforated boards with continuous perforation.

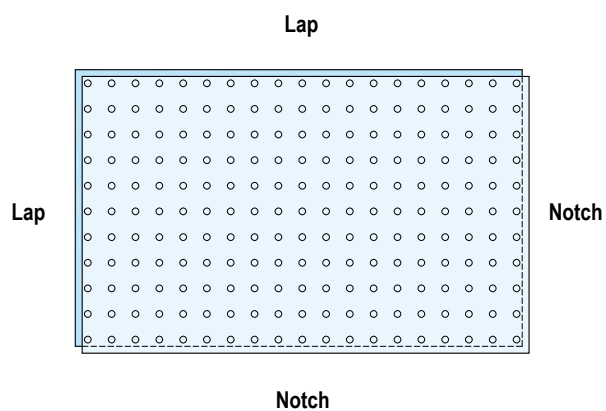
Image 1: Edge type notch



Image 2: Edge type lap

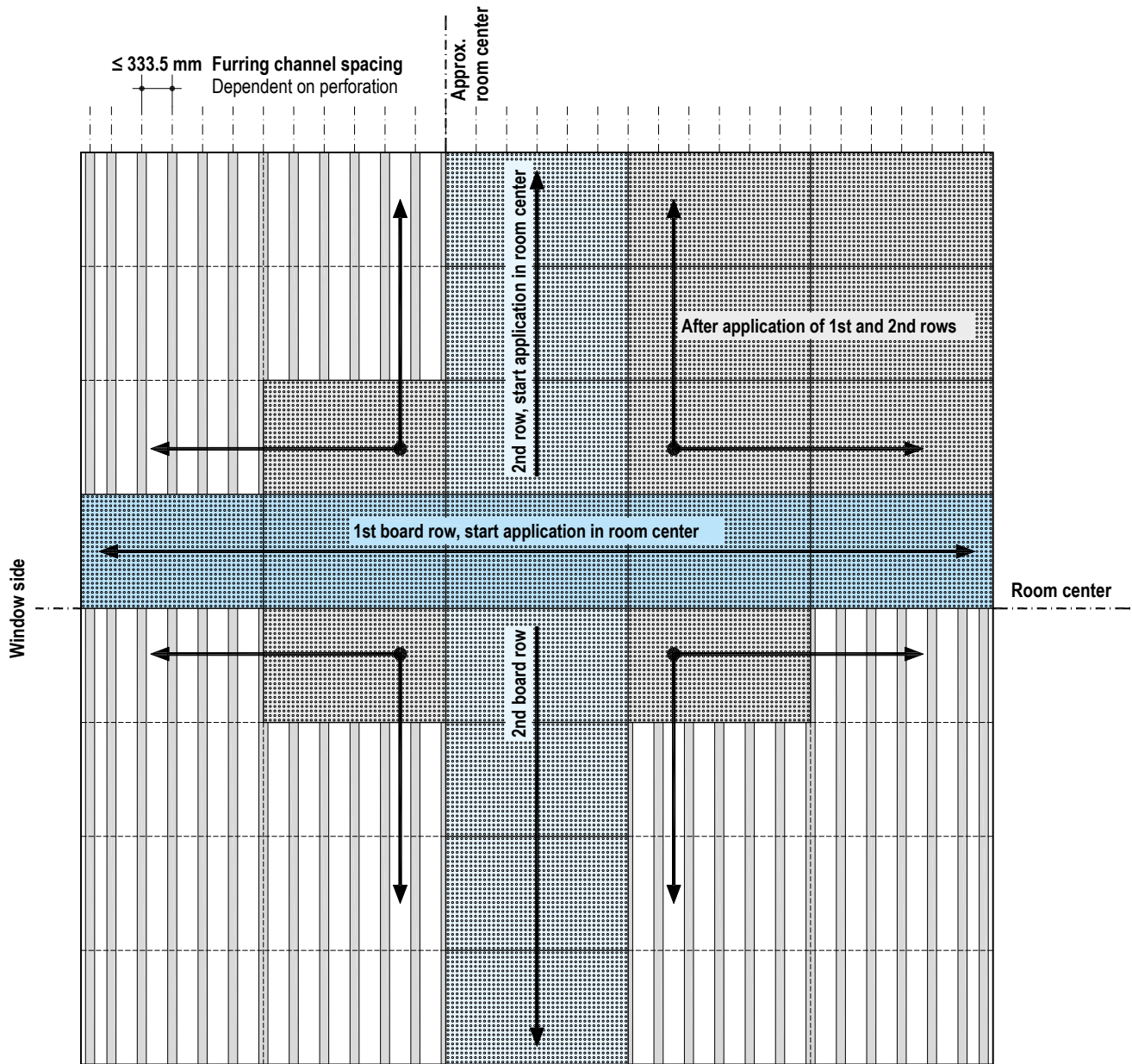


Image 3: Edge types Cleaneo linear



### Application scheme for large ceiling surfaces

Image 4: Application scheme



### Knauf tools

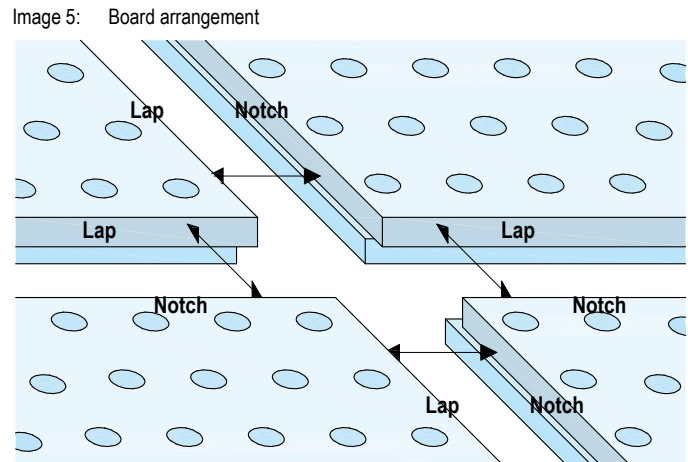
Working steps	Tool	Packaging unit	Material number	EAN
Cutting boards	Board cutter	1 piece	00004632	4003982053848
	Rasp	1 piece	00447550	4003982307460
	Beveller	1 piece	00010132	4003982139849
Jointing	Pouch gun	1 piece	00447551	4003982307477
	Cartridge with nozzle	1 piece	00004707	4003982085016
	Screw handle spatula	1 piece	00447529	4003982307453
	Cleaneo trowel	1 piece	00073962	4003982184740
Sanding tools	Abranet® hand sander with suction function	1 piece	00257176	4003982247384
	Abranet® sanding mesh P80	10 pieces	00257173	4003982247377
	Abranet® sanding mesh P120	10 pieces	00257172	4003982247360
	Abranet® sanding mesh P180	10 pieces	00478437	4003982322517
	Suction hose for Abranet® hand sander	1 piece	00257178	4003982247391

### Board installation

Lay the Cleaneo linear boards on the cross joint.

**Note** During installation, always arrange the front and long edges with linear edge lap to linear edge notch, see Image 5.

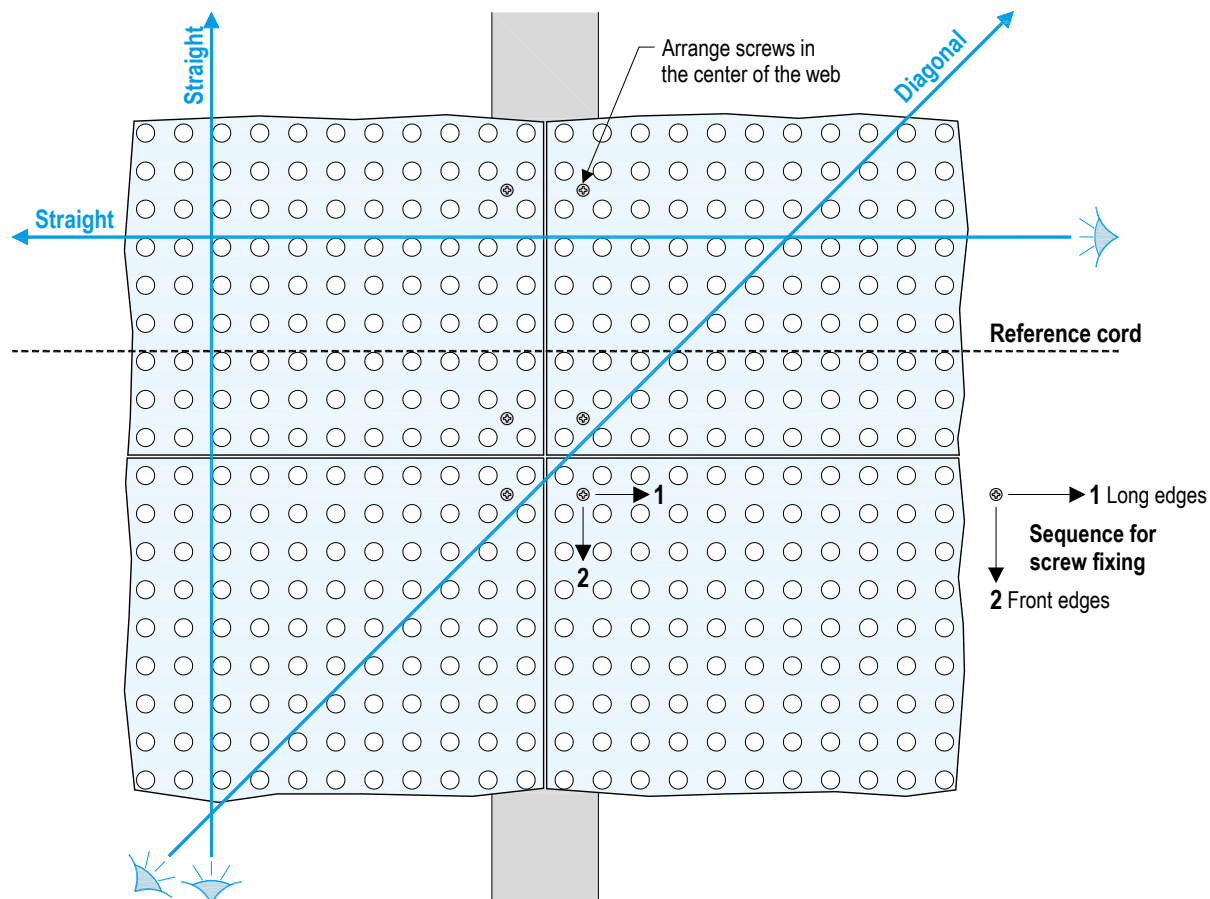
1. Align and fix the reference cord in the middle of the room in the direction of application.
2. Align the first board row along the reference cord and fasten the boards.
3. Apply further board rows according to the installation scheme, see Image 4 on page 5.



### Check the perforation design

**Note** Check overall appearance of the ceiling constantly by alignment via the straights and diagonals of the perforation row joints, see Image 6.

Image 6: Checking the perforation pattern appearance



**Note** Alignment of the perforation, not using the board edge.

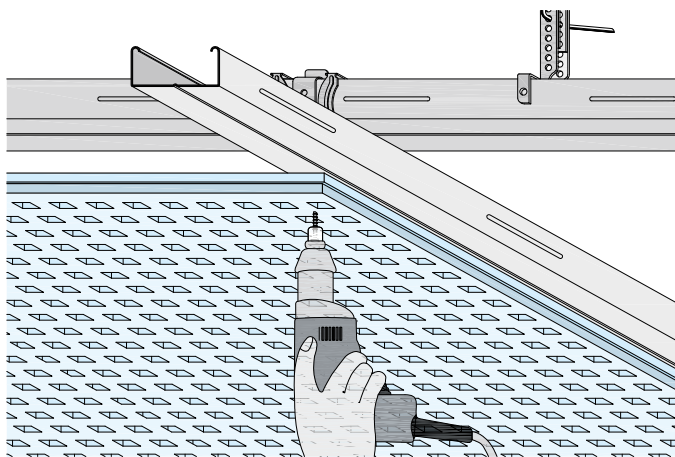
### Fastening the boards

**Caution** A 3 person team is recommended for installation.

#### Variant 1: Drywall Screws

1. Screw fasten Cleaneo linear boards using drywall screws SN 3.5 x 30 mm to the metal grid made of CD 60/27 channels, see Image 7.

Image 7: Fastening of boards with drywall screws



2. Distance between screw centres 170 mm. Press the boards firmly onto the furring channel grid during screw fastening.
3. Commence fastening in the corner, where the board is already bordering a board on the long and front side.
4. Fasten the long side first and then the front side.

#### Variant 2: Cleaneo Caps

##### Caution

Can only be used at normal room climatic conditions. The relative air humidity of the room may only briefly exceed a level of 65%. Cleaneo Caps are not rated for dynamic loads (e.g. alternating loads due to wind).

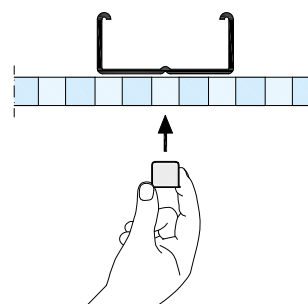
1. Select the sleeve appropriate for the perforation type.

Cleaneo Caps are available for the following perforations:

- Standard circular perforation 8/18 R
- Standard circular perforation 10/23 R
- Standard circular perforation 12/25 R
- Standard square: 12/25 Q

2. Apply Cleaneo Caps flush with the surface, see Image 8.

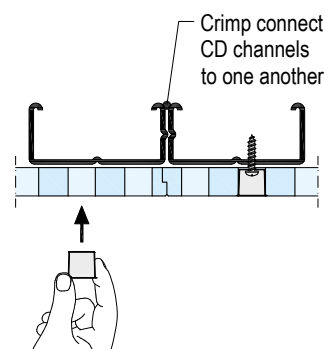
Image 8: Installation of the Cleaneo Caps



3. On the long edge joint, selection of the 2nd perforation row is preferred (observe the board and furring channel edge clearances). With Cleaneo Cap 8R and 12Q, always select the second perforation row on all board joints.

**On Cleaneo Caps 8R and 12Q, two furring channels CD 60/27 are required on the front edge joints, see Image 9.**

Image 9: Two furring channels CD 60/27 on board joint with 12/25 Q perforation



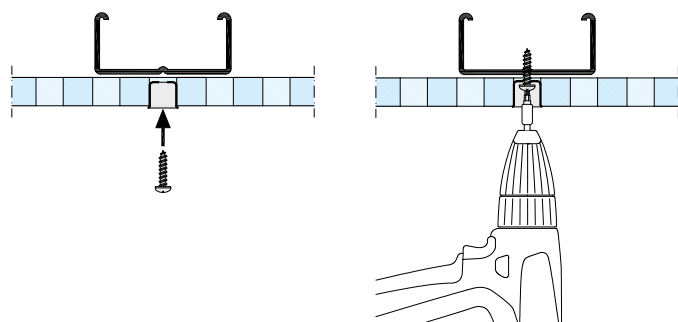


### Note

Use a cordless drywall electrical screwdriver with adjustable torque settings. Should the torque or the contact pressure be too high, spinning of the bit or rupture of the board edge is possible. Adapt the torque to suit the local conditions and device type.

- Attach to every furring channel at screw centres of  $\leq 170$  mm, see Image 10.

Image 10: Fastening boards with Cleaneo Caps



### Note

Apply Cleaneo Caps exclusively with the enclosed screws and bits. Avoid overtightening the screw thread, otherwise the screw pull-out resistance is reduced.

- Press the boards firmly onto the furring channel grid during screw fastening.
- Commence fastening in the corner, where the board is already bordering a board on the long and front side.
- Fasten the long side first and then the front side.

## Surface treatment

Before application of a coating the board surfaces must be free of dust.

### Note

Use a short pile lambskin roller to ensure that paint does not penetrate into the perforations and affect the acoustical performance of the fleece.

### Note

Gypsum board surfaces that have constantly been exposed to light without any protection can cause yellowing after coating.

Recommendation: A trial coat is recommended that will extend across several boards including all joints.

Yellowing can, however, be successfully avoided only by using a special primer.

## Decorative coats

The following coatings/linings can be applied on Cleaneo linear:

- Recommendation: Malerweiss E.L.F.
- Synthetic resin dispersion paints
- Multi-coloured (rainbow) emulsion
- Oil paints
- Matt-finish lacquers
- Alkyd resin paints
- PUR lacquer
- Polymer resin paints
- Epoxy-based lacquer (EP)
- Silicate-based emulsion paints may be used after referring to the manufacturer's recommendations for priming.

### Unsuitable are:

Alkaline coats such as lime, water glass paints and silicate-based paints.



Videos for Knauf systems and products can be found under the following link:

[youtube.com/knauf](https://youtube.com/knauf)



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