

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the installation instructions 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.

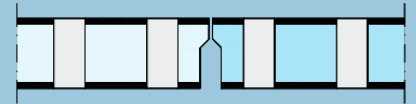
Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



Drywall Systems

K761U-A01.de

Installation Instructions 2021-07



Cleaneo UFF

Installation Instructions

Cleaneo Classic

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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 [K761U.de Cleaneo UFF](#)
- 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

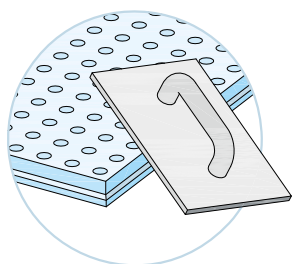
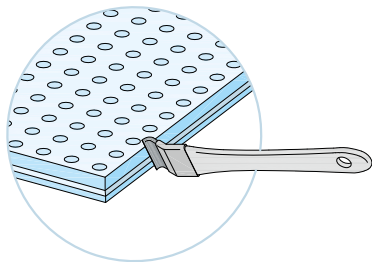
Please observe the following:

Caution

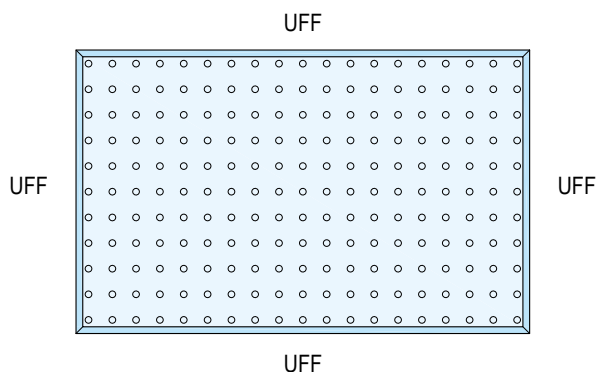
Knauf products/systems may only be used for the application cases as stated in the Knauf documentation. In case third-party products or components are used, they must be recommended or released by Knauf. Flawless application of products or systems assumes proper transport, storage, assembly, installation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

Edge types

The edges of Cleaneo UFF boards are factory primed and bevelled.



The special edge types of Cleaneo UFF with four-sided surrounding notch joint UFF easily facilitate precise alignment of the perforated boards with continuous perforation



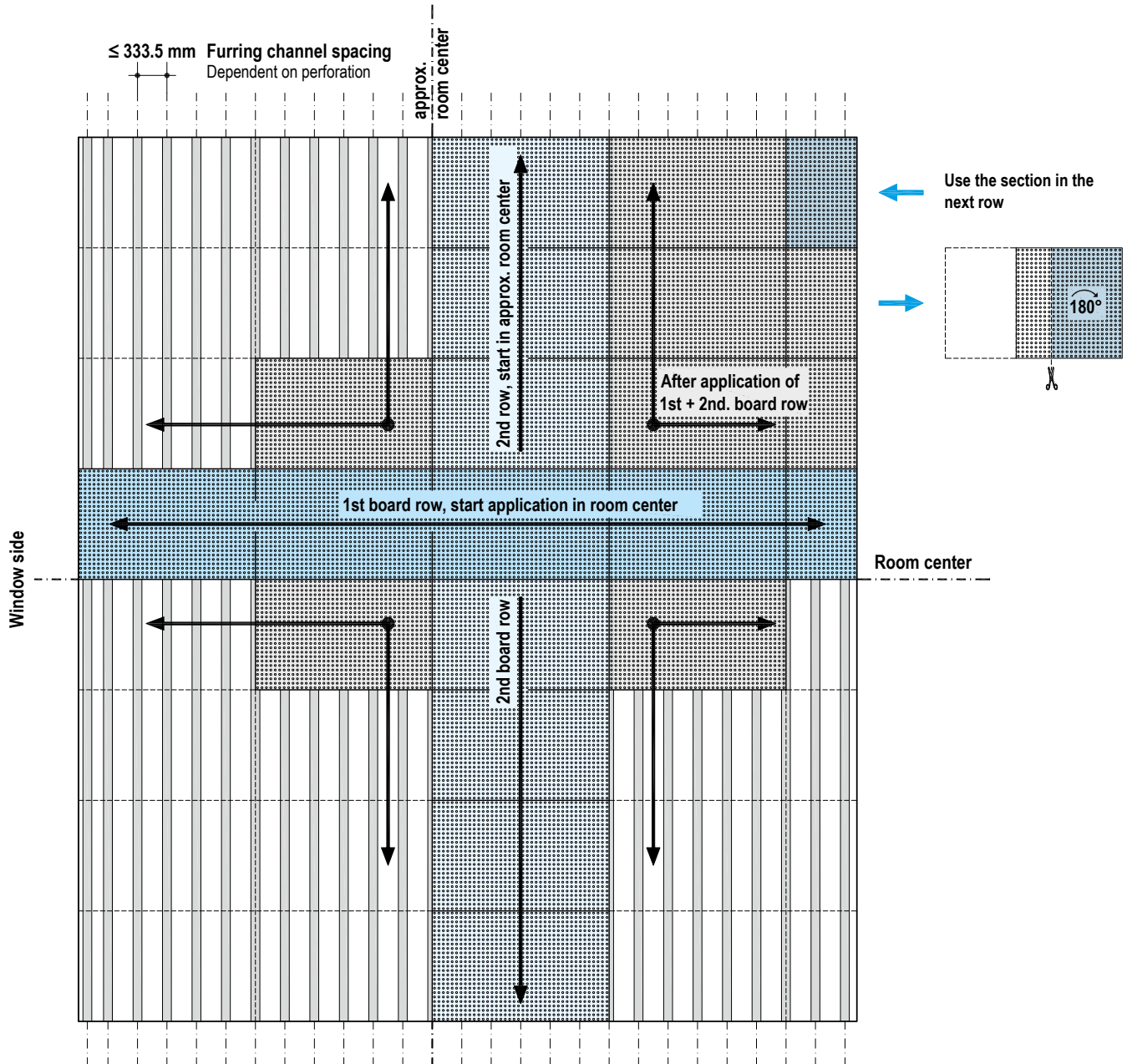
Knauf tools

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

Application scheme

Note Cut boards can be turned by 180° at the perimeter connection. This will reduce the cut waste on site.

Figure 1: Application scheme

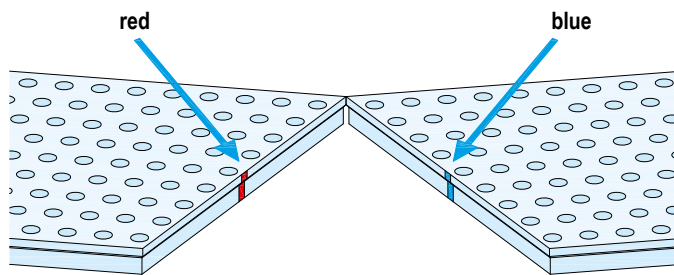


Board arrangement

Lay the UFF boards on the cross joint. Cleaneo UFF boards with standard/alternating perforation are marked red and blue on the cut edges.

Note During installation always arrange red board markings to blue board markings (front and long edges).

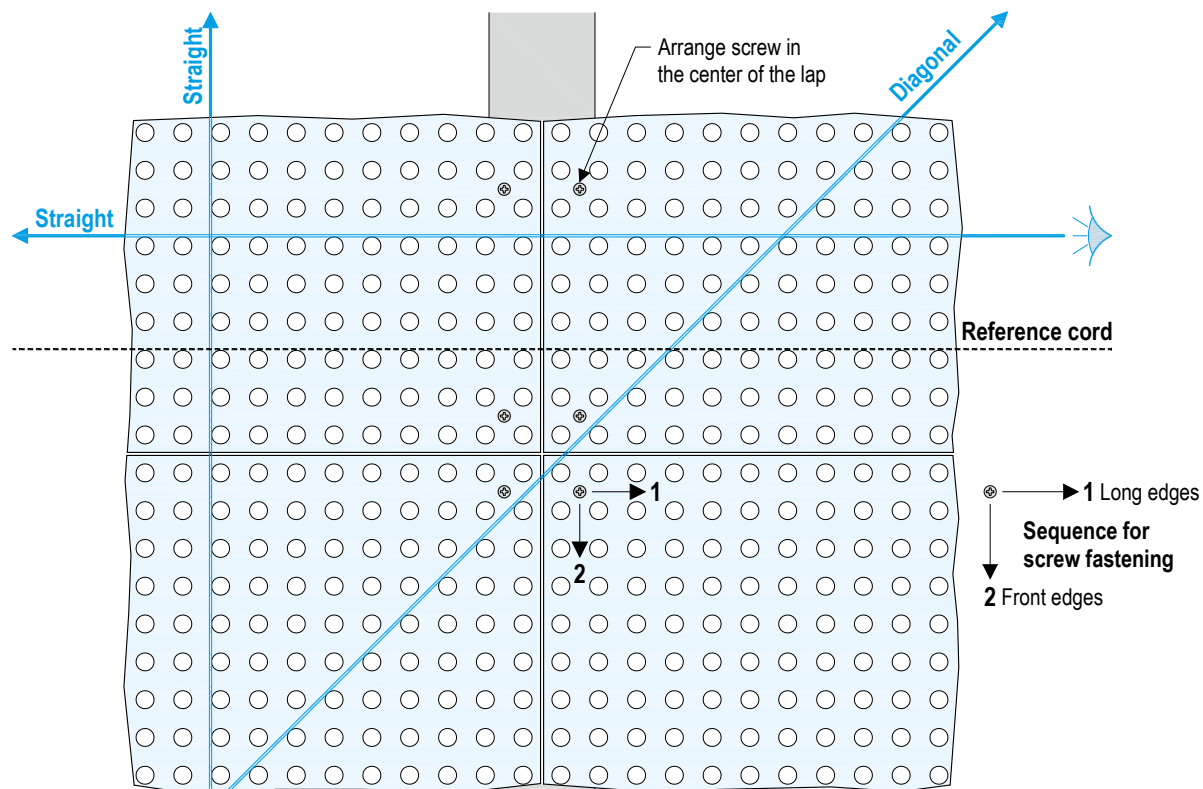
Figure 2: Board markings of Cleaneo Classic UFF boards



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 Figure 1 on page 5.

Note Check overall appearance of the ceiling constantly by alignment via the straights and diagonals of the perforation rows during installation, see Figure 3.

Figure 3: Checking the perforation pattern appearance



Fastening the boards

Caution A 3 man team is recommended for installation

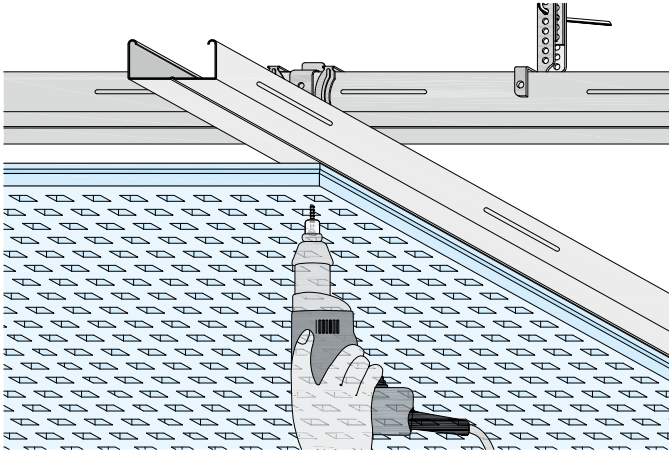
Recommended

Use a drywall electric screwdriver for installation of the Cleaneo UFF.

Alternative 1: Drywall Screws

1. Screw fasten Cleaneo UFF boards using drywall screws SN 3.5 x 30 to the metal grid made of CD 60/27 channels, see Figure 4.

Figure 4: 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.

Alternative 2: Cleaneo Caps

Caution

For use at normal room climates where the relative air humidity of the room may only briefly exceed a level of 65 %. Observe Code of Practice no. 1 "Baustellenbedingungen - Site conditions" of the BVG (IGG) for installation. The relative humidity should be at least 40 %. Cleaneo-Caps can be used for ball impact safe ceiling systems, but are not rated for dynamic loads, e.g. alternating loads due to wind.

Recommendations

Use a cordless screwdriver with torque setting option (should the torque be too high or the contact pressure 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.

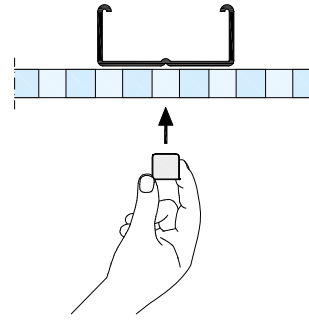
1. Select the sleeve appropriate for the perforation type.

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 perforation 12/25 Q

2. Apply Cleaneo Caps flush with the surface, see Figure 5.

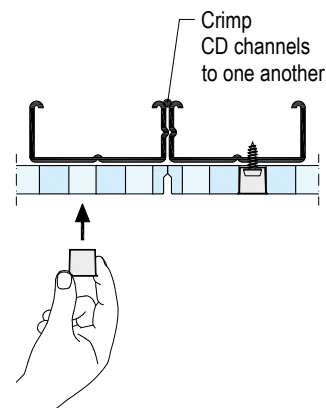
Figure 5: Installation of the Cleaneo Cap



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.

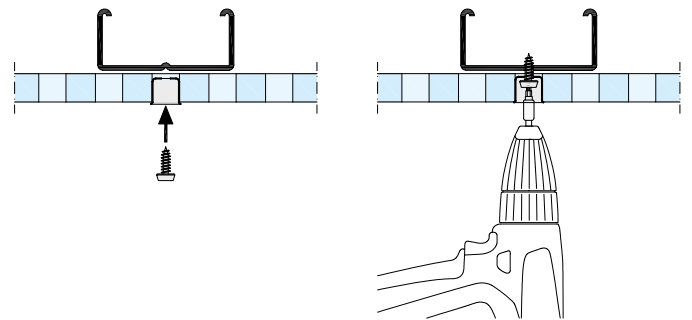
On Cleaneo Cap 8R and 12Q, two furring channels CD 60/27 are required on the front edge joints, see Figure 6.

Figure 6: Two furring channels CD 60/27 on board joint with 12/25 Q perforation



4. Attach to every furring channel at screw centres of ≤ 170 mm, see Figure 7.

Figure 7: Fastening boards with Cleaneo Caps



Note

Cleaneo Caps should be applied exclusively with the enclosed screws and bits. Avoid overtightening the screw thread (otherwise the screw pull-out resistance is reduced).

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

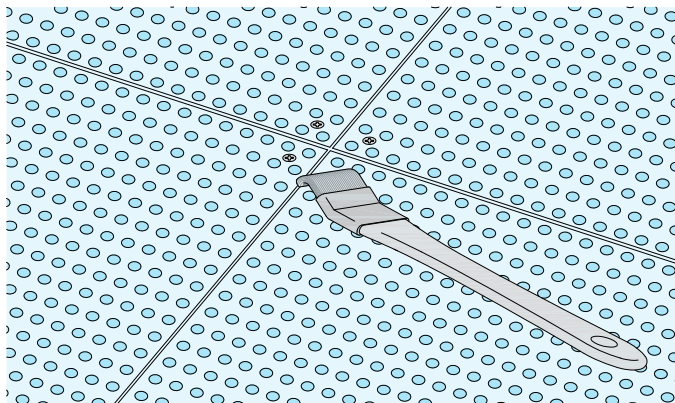
Cleaning joints

Caution

Water is not suitable for binding dust as it increases the likelihood of crack formation.

1. Clean the joints of dust deposits in the joints after finishing attachment of the boards with a dry brush, see Figure 8.

Figure 8: Cleaning joints



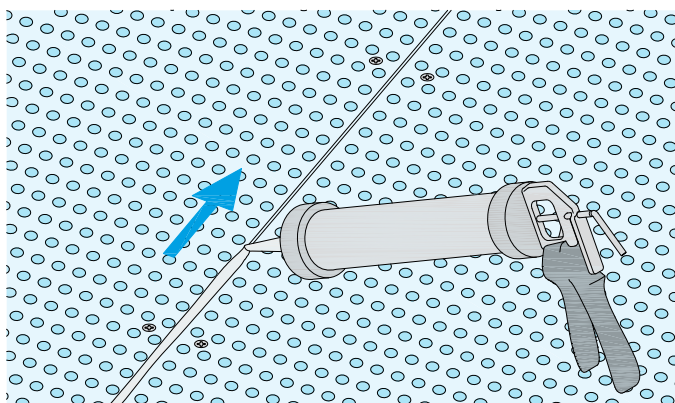
2. Prime with Knauf Tiefengrund primer if necessary (e.g. in case of high level of dust formation during board application).

Filling joints

Use the cartridge with nozzle together with a pouch gun or a cartridge gun.

1. Cut the plastic nozzle to suit the joint width and attach it to the cartridge outlet.
2. Fill the joints completely with Uniflott, see Figure 9.

Figure 9: Filling joints



Videos for Knauf systems and products can be found under the following link:
youtube.com/knauf

Knauf Direct

Technical Advisory Service:

knauf-direkt@knauf.de

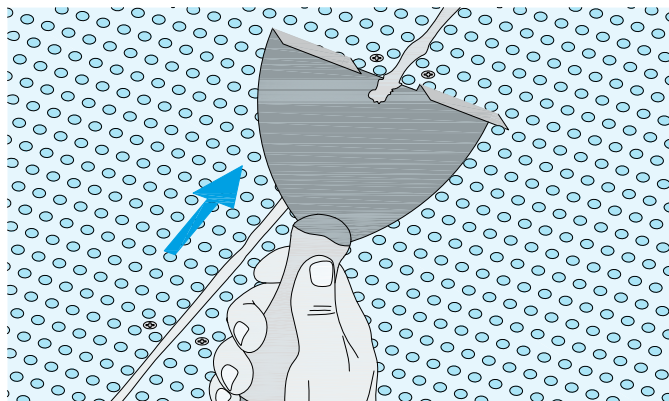
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Jointing and sanding

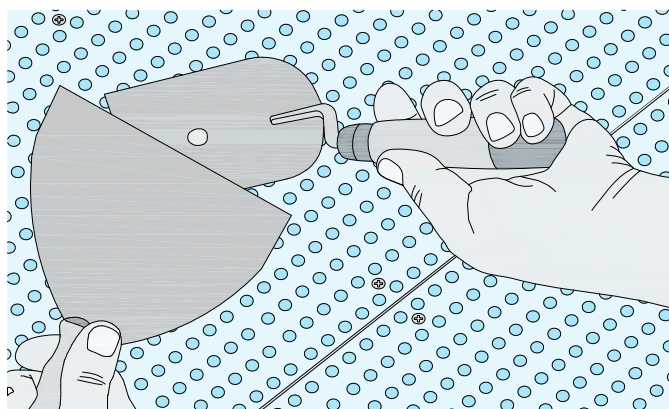
1. Chip off the excessive material after initial setting of the filling compound with a Cleaneo spatula and leave approx. 1 to 2 mm of protruding material in place, see Figure 10.

Figure 10: Removing excess material



2. Subsequently skim filled joints cleanly with a screw handle spatula before the filler has hardened so that a string of material is formed.
3. Fill the screw heads also with a filling material, preferably using a Cleaneo trowel, see Figure 11.

Figure 11: Filling in screw heads



4. Sand off excess filler compound smoothly and evenly after hardening.



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