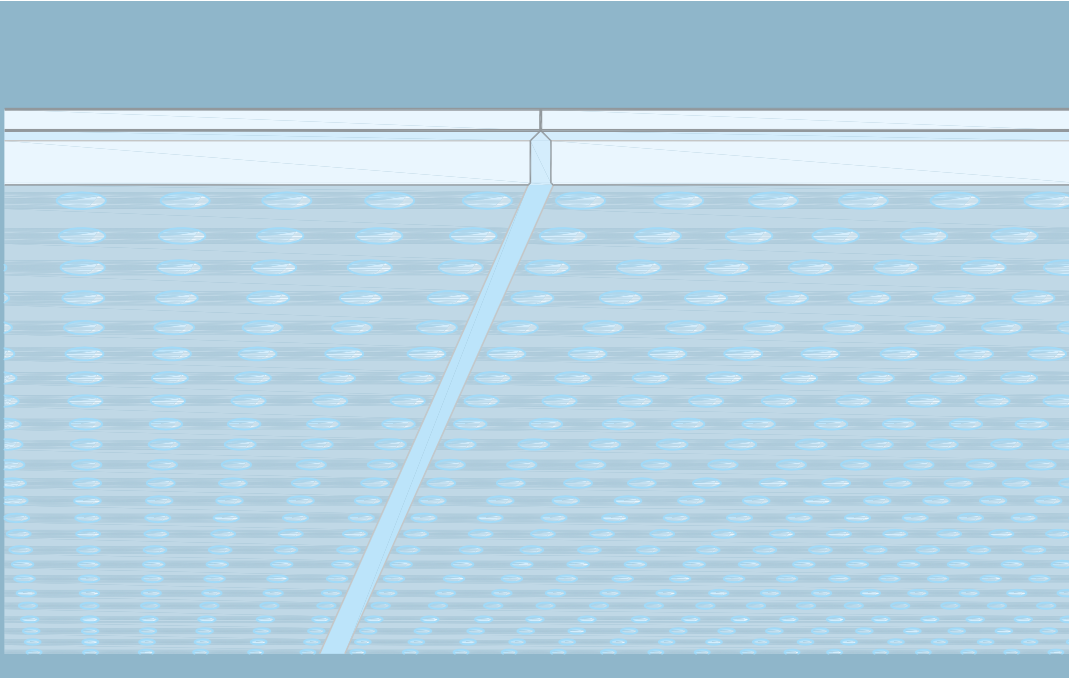


Note on English translation / Hinweise zur englischen Fassung

This is a translation of the technical data sheet 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.

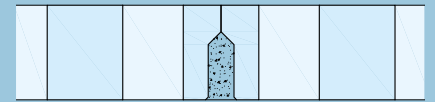
Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



Drywall Systems

K761U-A01.de

Assembly Instructions 2018-01



Cleaneo UFF

Assembly 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) and/or German National Technical Approvals (abZ)) 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 Acoustic 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/systems.

Intended use of products and systems

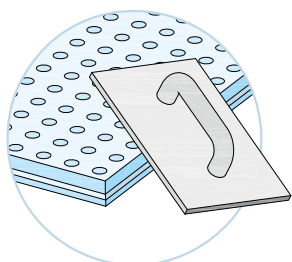
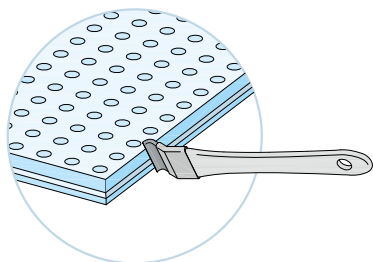
Please observe the following:

Caution

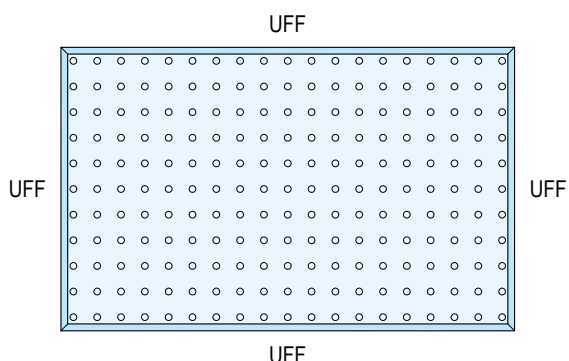
Knauf products/systems may only be used for the application cases as stated in the Knauf documentation. In case third-party products or components are used, they must be recommended or approved by Knauf. Flawless application of products/systems assumes proper transport, storage, assembly, installation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



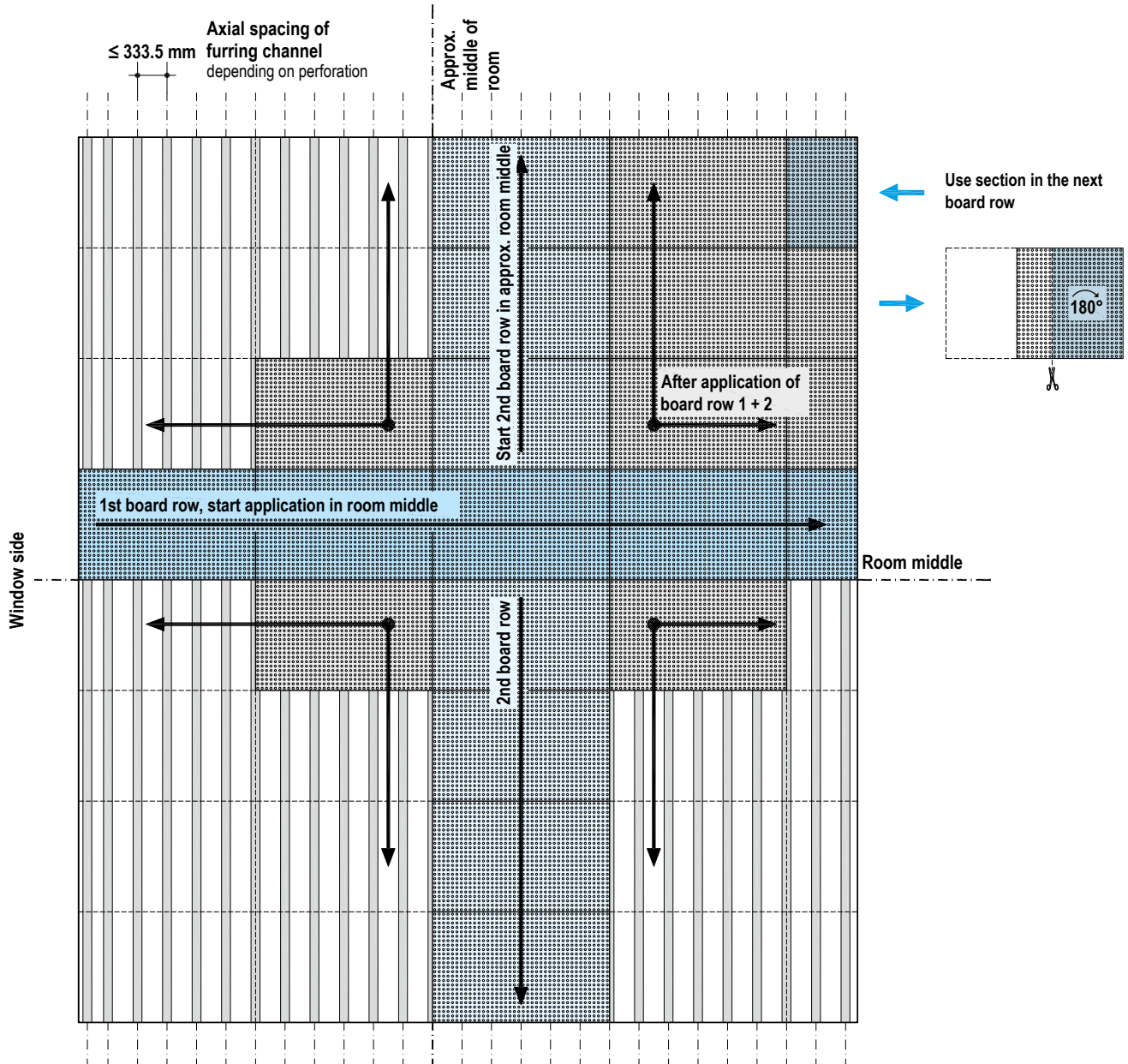
Knauf tools

| 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.

Image 1: Application scheme

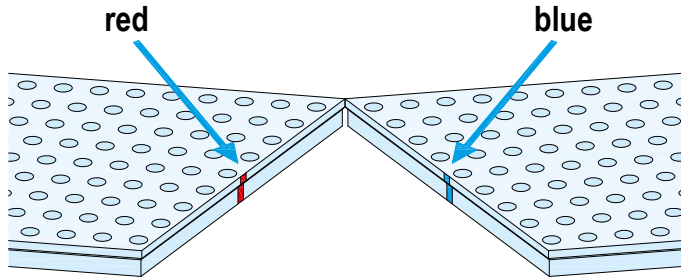


Board arrangement

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).

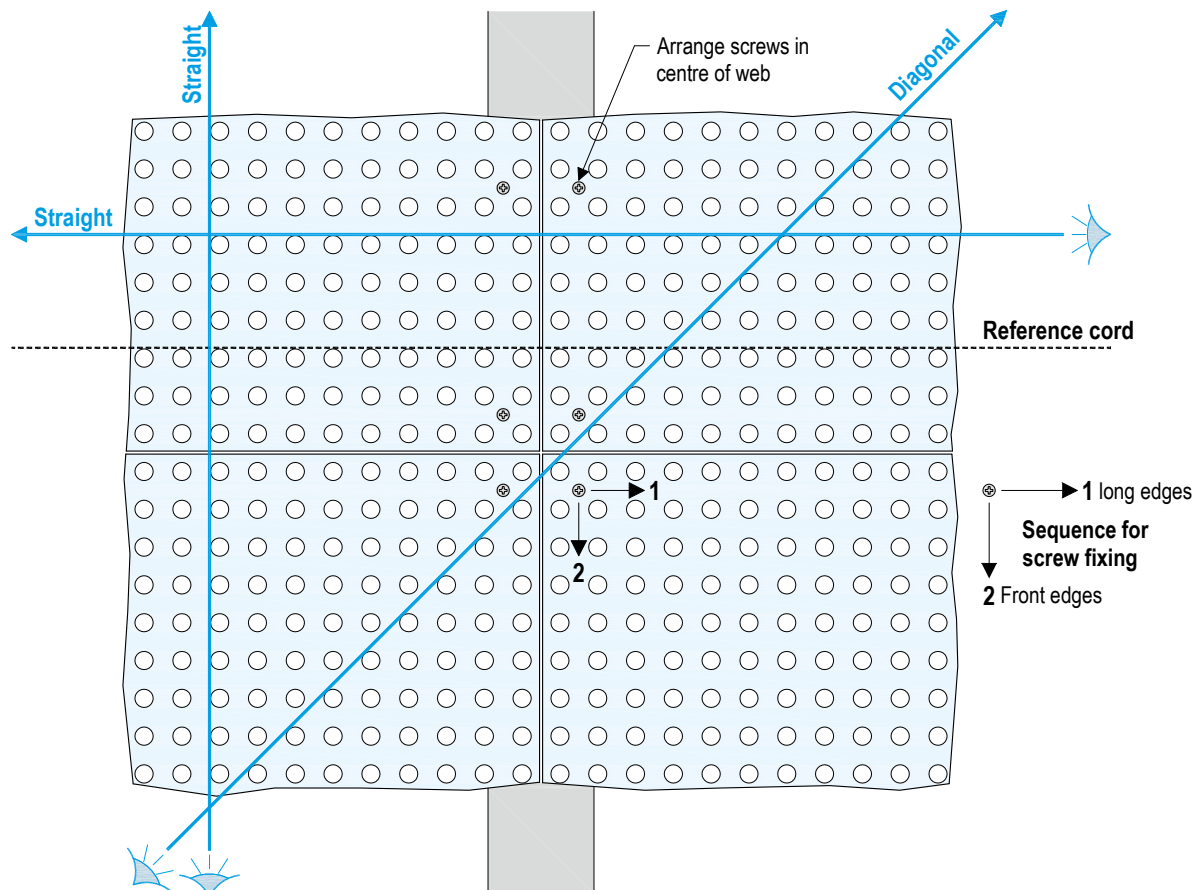
Image 2: Board markings of Cleaneo Classic UFF boards



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 Image 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 Image 3.

Image 3: Checking the perforation pattern appearance



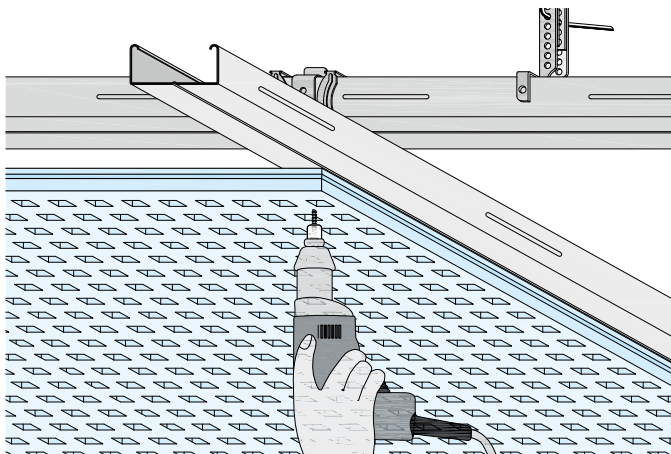
Fastening the boards

Caution A 3 man team is recommended for installation

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 Image 4.

Image 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

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. ball impact, alternating loads due to wind).

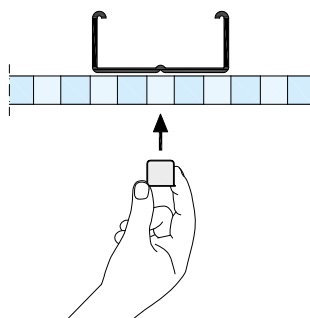
1. Select the sleeve appropriate for the perforation type.

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 perforation 12/25 Q

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

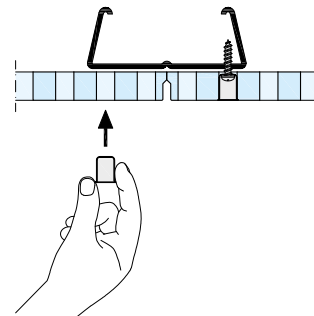
Image 5: Installation of the Cleaneo Cap



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

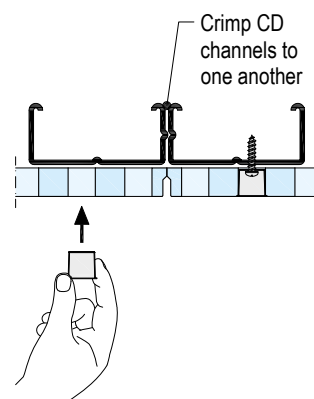
On Cleaneo Cap 8R, a furring channel CD 70/27 is required on the front edge joints, see Image 6.

Image 6: Furring channel CD 70/27 on board joint with 8/18 R perforation



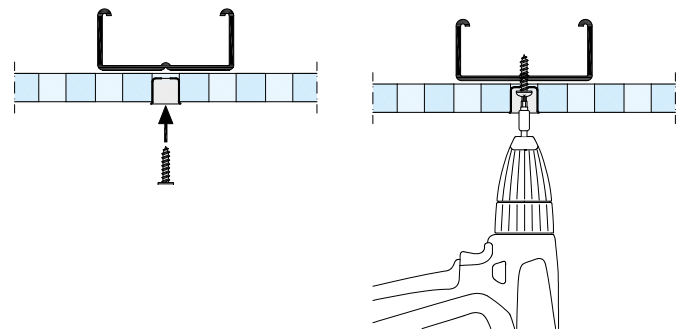
On Cleaneo Cap 12Q, two furring channels CD 60/27 are required on the front edge joints, see Image 7.

Image 7: 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 Image 8.

Image 8: 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.

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.

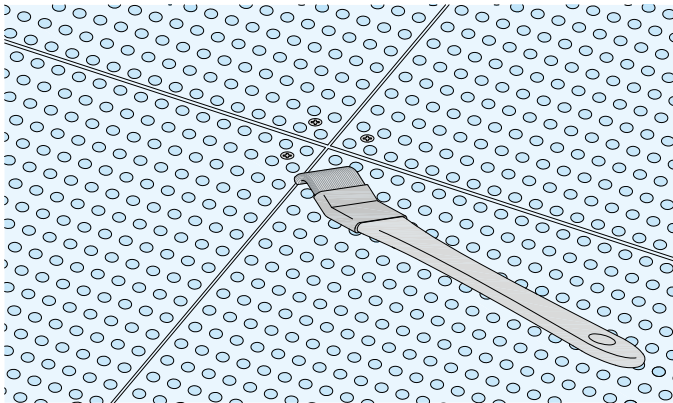
Cleaning joints

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 Image 9.

Image 9: Cleaning joints



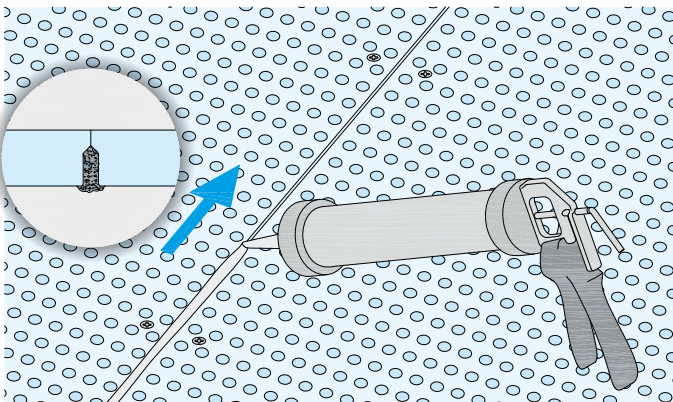
2. Prime with Knauf Tiefengrund primer if necessary (e.g. in case of high dust formation during board application).

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 Image 10.

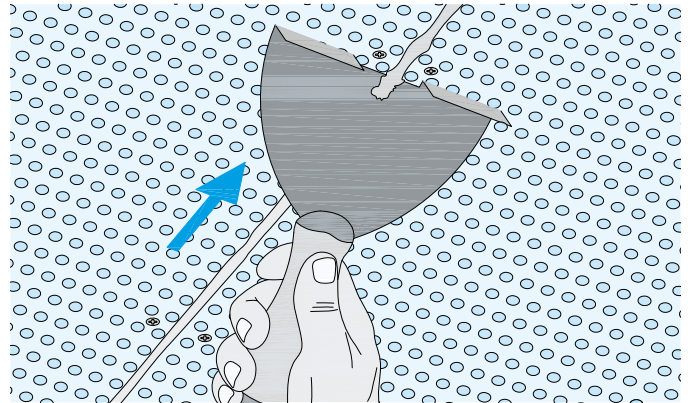
Image 10: Filling joints



Jointing and sanding

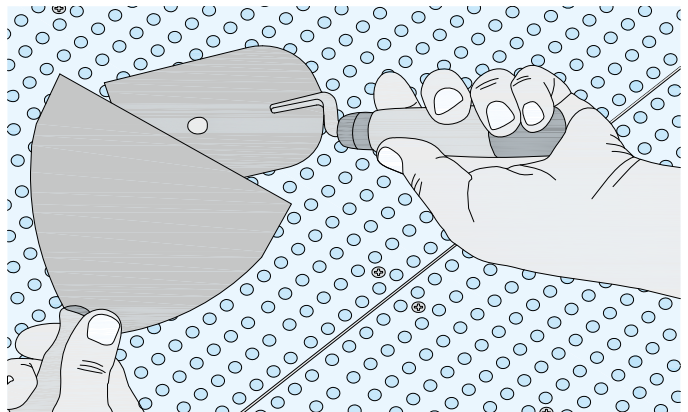
1. Chip off the excessive material after initial setting of the filling compound with a Cleaneo spatula and leave approx. 1 to 2 mm of protruding material in place, see Image 11.

Image 11: Remove 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 Image 12.

Image 12: Filling in screw heads



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



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