INSTALLATION GUIDE
STRATOPANEL

KNAUFDANOLINE

STRATOPANEL (UFF)
- Acoustical panels for screw-fixing
- Suitable as lining for walls and ceilings
- Installed on steel (CD2)
- Jointing required

CONDITIONS OF USE
- For internal fitout of buildings
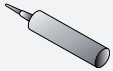- To be installed in a closed-off building

STORAGE
The products must be:
- stored indoors clean and dry
- positioned on a level base
- protected from direct moisture
- stored at humidities of less than 70% RH and temperatures of less than 50°C
- protected from impact and shock
- stacked max. 2 pallets on top of each other

Before installation, please ensure that fixtures to primary construction can withstand the load of the ceiling.
Best Practice: Use of clean cotton gloves when handling product tiles will ensure a good result and a ceiling without fingermarks.

RECOMMENDED ACCESSORIES FOR JOINTING AND FIXING
Below accessories are tested and approved for use in connection with Stratopanel.
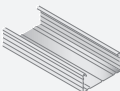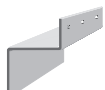
	PRODUCT NAME	SAP NO.	SIZE	Consumption per m²
	Screw SN3.5x30	3503	3.5 x 30 mm	20 pcs.
	Knauf Tiefengrund (Universal Primer)	253759	5 L	0.02 L
	Uniflott Finish	129801	8 kg	0.4 kg
	Knauf Uniflott	253631 253630	25 kg 5 kg	≤ 0.1 kg
	Filler tube set	4707		
	Filling knife	73962		

Accessories for jointing and fixing

RECOMMENDED ACCESSORIES FOR STEEL FURRING SYSTEMS

Below accessories are tested and approved for use in connection with Stratopanel.

|	PRODUCT NAME	SAP NO.	SIZE	Consumption per m²
	Primary / secondary CD 60/27-profile	3294	60 x 4000 x 27	4.6 m
	Wall angle UD 28/27	181589	28 x 3000 x 27	depending on room size
	Length connector CD 60/27	181080	59 x 80 x 28	1.1 pcs.
	Cross-fitting	3446		3.3 pcs.
	Split pin for hanger	198907		2.6 pcs.
	Nonius hanger lower	198904		1.3 pcs.
	Nonius hanger upper 85mm	198905	125 - 185	
	Nonius hanger upper 135mm	198906	135 - 235	
	Nonius hanger upper 235mm	198923	235 - 340	
	Nonius hanger upper 340mm	198924	340 - 440	
	Nonius hanger upper 440mm	198925	440 - 540	1.3 pcs.
	Nonius hanger upper 540mm	198926	540 - 640	
	Nonius hanger upper 640mm	198927	640 - 740	
	Nonius hanger upper 740mm	198928	740 - 840	
	Nonius hanger upper 840mm	198929	840 - 940	
	Nonius hanger upper 940mm	198930	940 - 1040	
	Z-profile	199089	30 x 45 x 45 x 2300	

Accessories for CD system - for installaiton on ceiling

For installation on walls

INSTALLATION GUIDE STRATOPANEL AS CELING LINING

CEILING LAYOUT
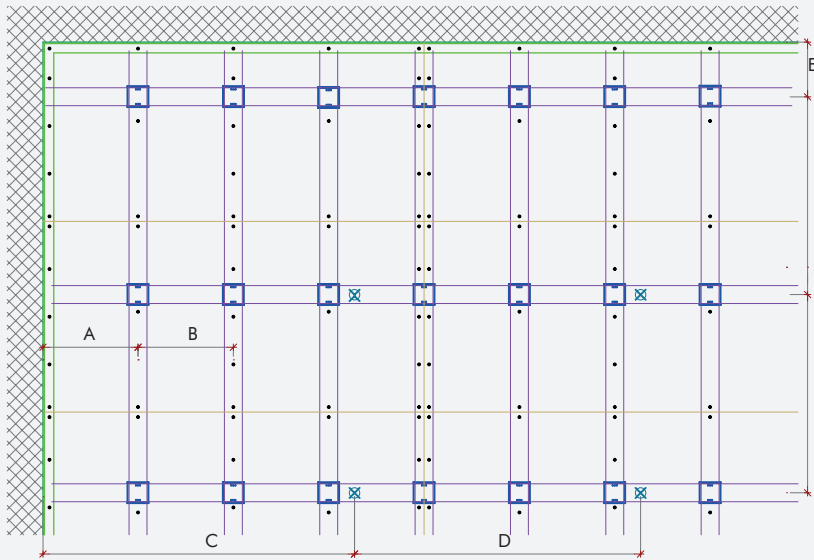
Legend:

▬▬	Wall profile UD 28/27
▬▬	CD profile 60/27
⊡	Cross fitting
⊠	Nonius hanger (type depending on installation depth)
▬▬	Panel edge
•	Screw SN 3.5 x 30

A = Max. 300 mm
B = Max. 333 mm*
C = Max. 900 mm
D = Max.900 mm
E = Max. 150 mm
F = Max. 1000 mm
G = Min. 80 mm
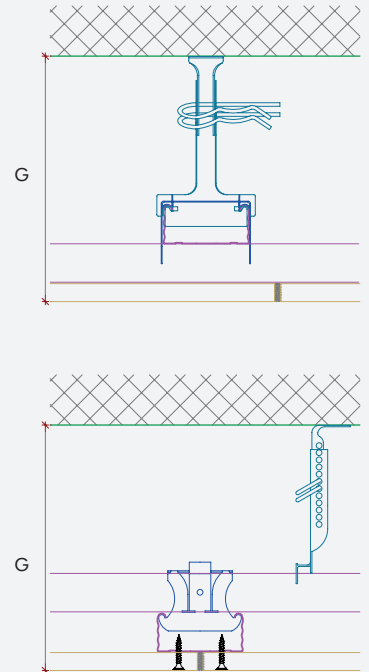
Is to be adjusted and fitted according to the exact length of the panel (please note that the size of the panels varies depending on the type of perforation).

INSTALLATION OF PANELS
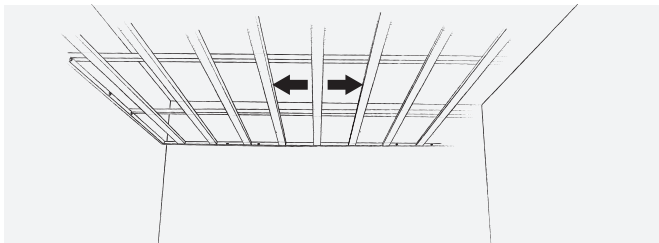
CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling plans.
- Please note that expansion joints must be established on extensive ceiling surfaces at max.intervals of 15 metres in both directions. See detailed drawings on knaufdanoline.com.
- Where conditions indicate an increased risk of movement in a building, this must be taken into account by reducing the distance between expansion joints.
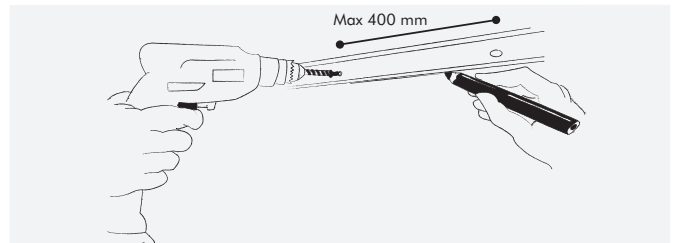
WALL PROFILE

- Mark out.
- Install the wall profile UD 28/27. Choose the method of fixing in accordance with the substrate.
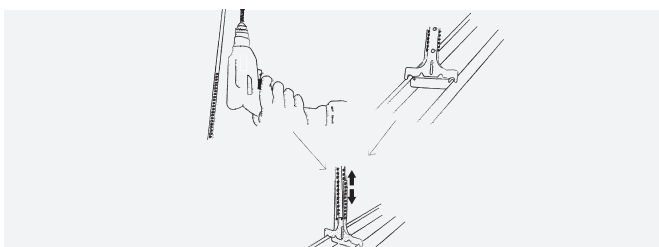
HANGERS

- Secure the upper part to the construction above it at 900 mm c/c. Choose the fixings in accordance with the substrate.
- Secure the lower part to the primary profile.

PRIMARY PROFILES

- Connect the two parts of the hangers with two split pins, one immediately above the other.

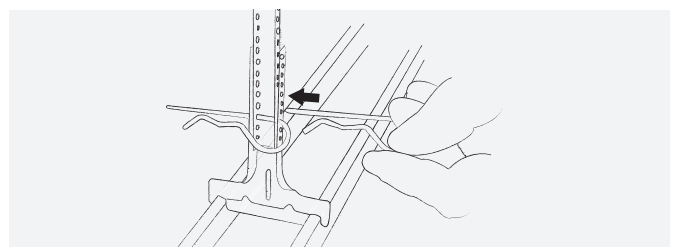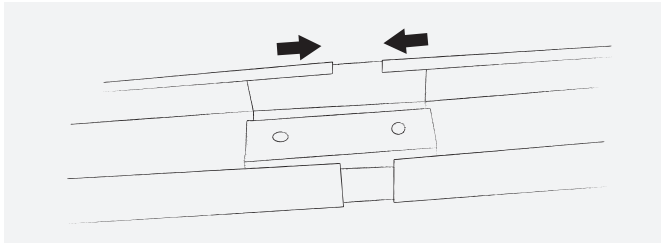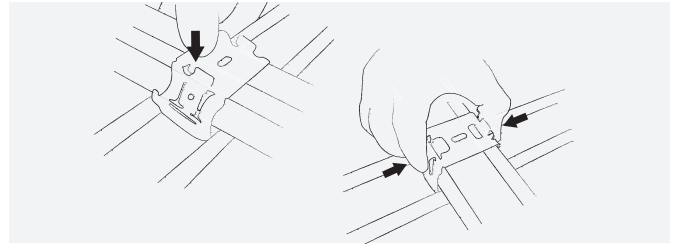# INSTALLATION GUIDE STRATOPANEL AS CELING LINING

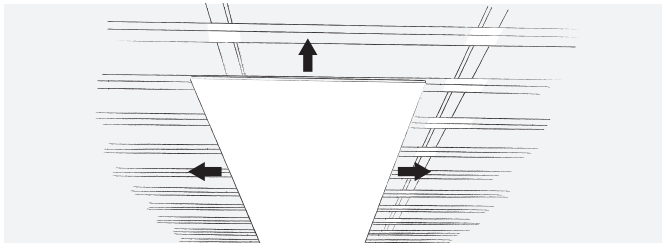

JOINING CD-PROFILES

- Join the CD profiles with the help of length connectors.

SECONDARY PROFILES

- Place a cross fitting on the primary profile.
- Press the underlying secondary profile into it.
- Adjust the locations of the secondary profiles and lock the cross fitting.

INSTALLATION SEQUENCE

- Begin installation in the centre of the room.
- The longitudinal direction of the panels must be 90° to the furring. Be certain that all short ends of the panels are fully supported.

Max 333 mm
Max 333 mm
Max 200 mm
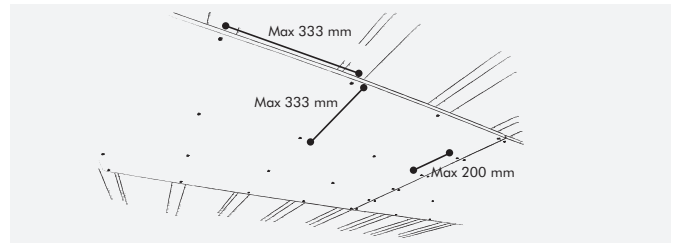
INSTALLATION

- Use a string or a laser to ensure that the perforation rows are flush. Note: The panels must all face in the same direction: **red mark against blue mark.**
- Make sure that the screws are countersunk without damaging the cardboard surface.
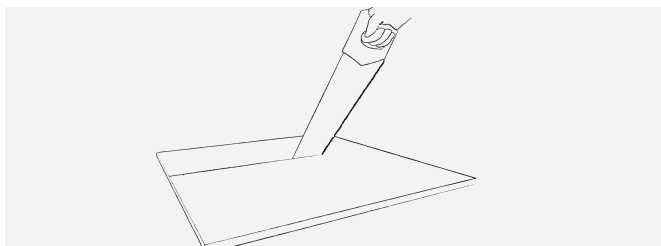
CUTTING

- Cut the elements to size from the front with a fine-toothed saw.
- Prime the edges with Knauf Tiefengrund (universal primer).
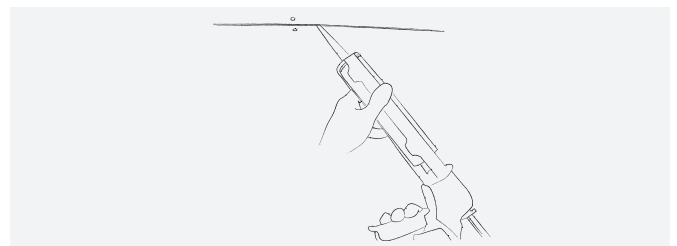
FILLING

- Check that the screws are undersunk and that the panels are not pushed close together.
- Check that the edges have been primed and are free from dust.
- Use Knauf Uniflott for filling.
- To avoid filler in the perforation holes a marking paper can be used. Use a sensitive type and test beforehand that it does not damage the surface of the panels when removed.

INSTALLATION GUIDE STRATOPANEL AS CELING LINING

PREPARING KNAUF UNIFLOTT FILTER

- Prepare the filler according to the instructions on the filling package. We recommend you mix the filler by hand, as mixing with machine may speed up the hardening process.
- Fill the tube with joint filler with the help of a putty knife.
- Attach the jointing nozzle.
- Insert the tube and nozzle into a jointing gun.

■ = first filling

▨ = extra material removed

▩ = second filling
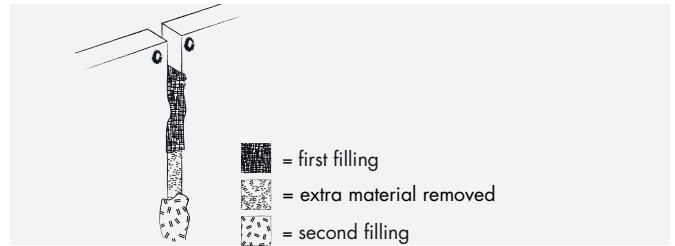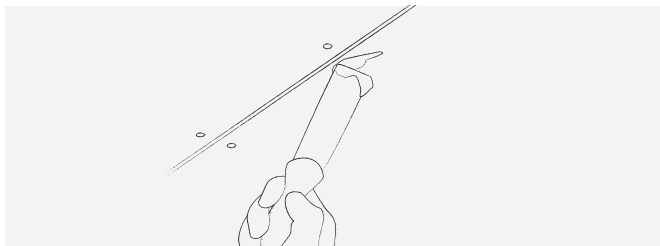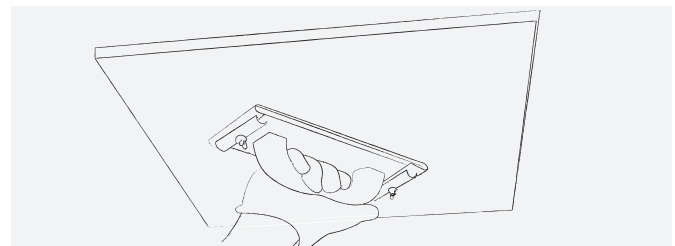
FILLING

- Fill the joint with filler (Knauf Uniflot). Use a jointing gun or press the filler into the joint with a filling knife. Overfill slightly and make sure that the filler is pressed all the way up between the edges of the panels and avoid getting filler in the perforations.
- Press the filler up again by running a finger over the joint. Fill again.
- Allow the filler to dry for about 45 minutes.
- Remove surplus filler.
- Allow the filler to dry.
- Apply the second layer of filler (Knauf Uniflott Finish). Overfill slightly.
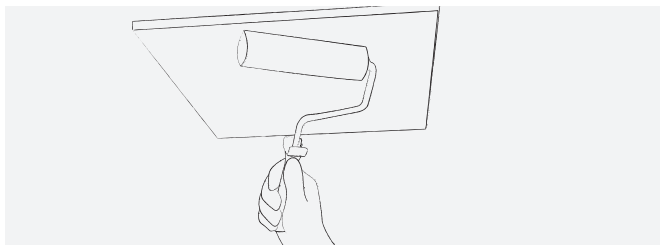- Allow the filler to dry.

FILLING SCREW HOLES

- Apply the filler (Knauf Uniflott Finish). Overfill slightly.
  We recommend the use of Knauf Danogips „Acoustic filling knife for holes" in order to avoid filler getting into the perforation holes.
- Allow the filler to dry.

SANDING

- Make sure that the filler is completely dry.
- Sand with fine sandpaper until the surface is completely smooth. Be careful not to damage the cardboard surface.

PAINTING

- Make sure that the filler is completely dry and the surface is smooth and free from dust.
- Priming should be carried out in accordance with the paint manufacturer's instructions.
- Apply the paint with a roller so that the acoustic felt on the perforated panels is not sealed. Use a fine mohair roller.
- Make sure that the paint is not too thick and avoid applying too much paint at a time.
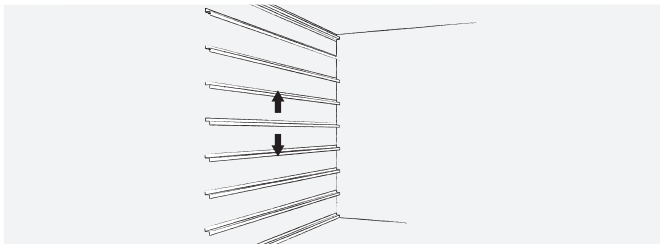
INSTALLATION GUIDE STRATOPANEL AS WALL LINING

WALL LAYOUT

Legend:

|	
–––––	45 mm Z-profile
=====	45 mm U-profile
•	Screw SN 3.5 x 30
–––––	Panel edge
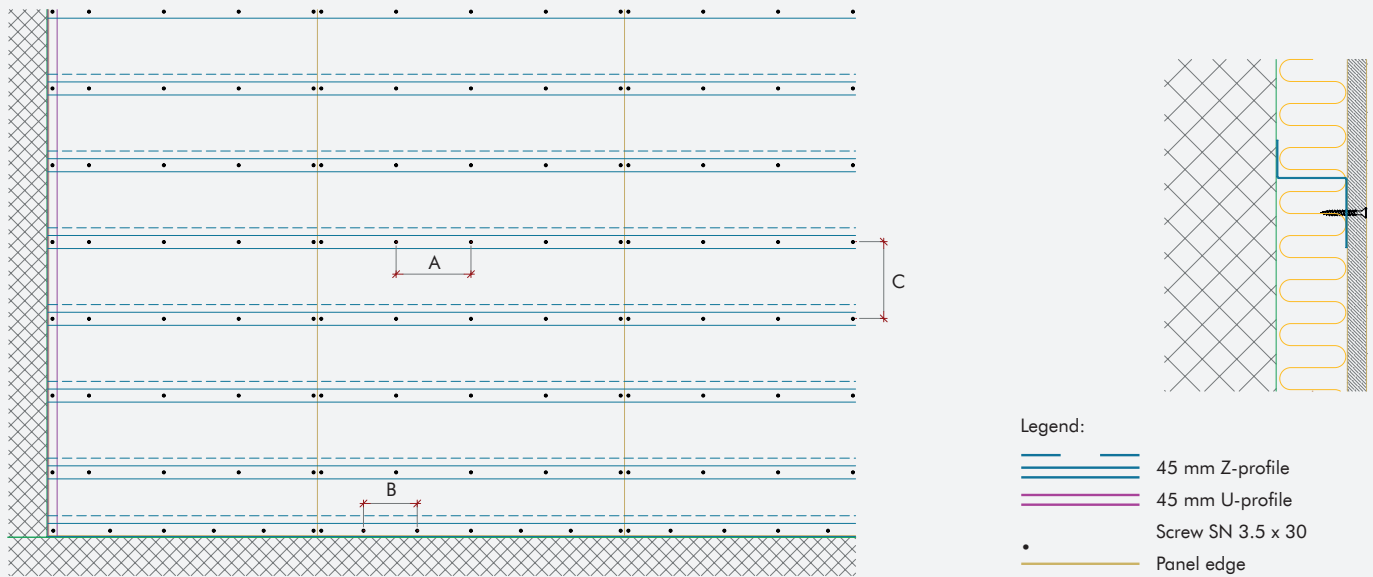
A = Max. 333 mm   B = Max. 200 mm   C = Max. 333 mm

INSTALLATION OF PANELS

LAYOUT

- Perforated wall panels are normally installed on the upper section of a wall in accordance with acoustic requirements and the shape of the room in question.
- However, perforated panels can also be used to surface an entire wall depending on the degree of physical impact.
- Please note that expansion joints must be established on extensive ceiling surfaces at max. intervals of 15 metres in both directions. See detailed drawings at knaufdanoline.com.
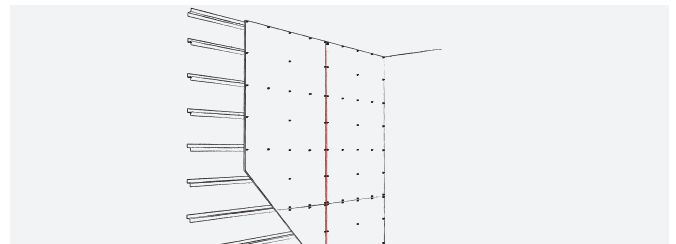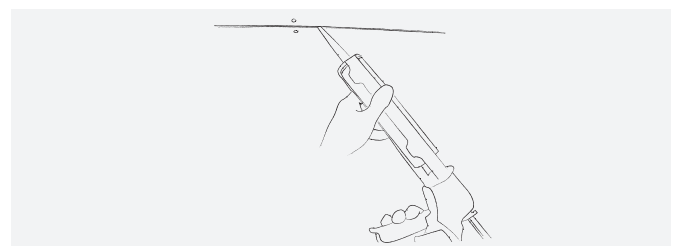

INSTALLATION

- Install the panels so that they all face in the same direction **(red mark against blue mark)**.
- Install the first row with the help of string.
- Fasten panels with Screw SN3.5x30.
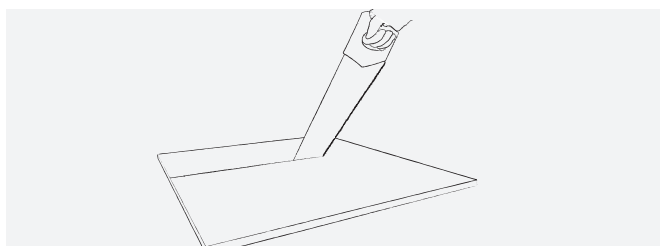
CUTTING
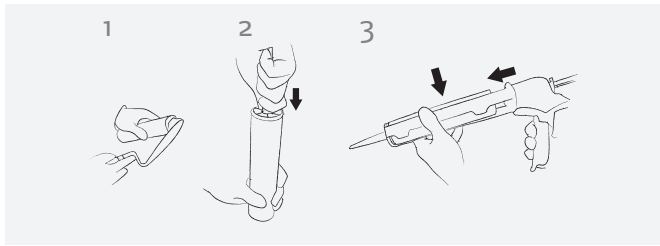
- Cut the elements to size from the front with a fine-toothed saw.
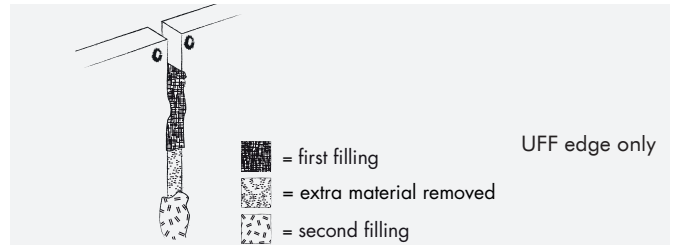- Prime the edges with Knauf Tiefengrund (universal primer).

FILLING

- Check that the screws are countersunk and that the panels are not pushed close together.
- Check that the edges have been primed and are free from dust.
- Use Knauf Uniflott for filling.
- Prime the edges with Knauf Tiefengrund (universal primer).

INSTALLATION GUIDE STRATOPANEL AS WALL LINING

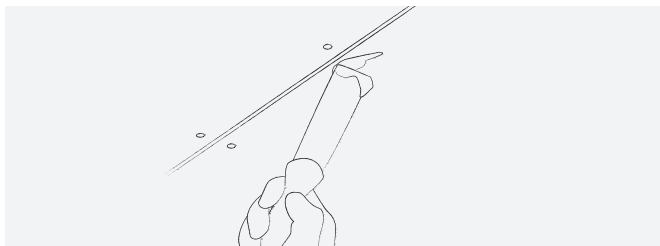## PREPARING KNAUF UNIFLOTT FILTER

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- Attach the jointing nozzle.
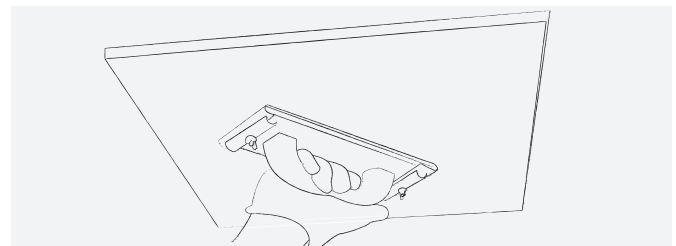- Insert the tube and nozzle into a jointing gun.

= first filling

= extra material removed

= second filling

UFF edge only

FILLING

- Fill the joint with filler (Knauf Uniflot). Use a jointing gun or press the filler into the joint with a filling knife. Overfill slightly and make sure that the filler is pressed all the way up between the edges of the panels and avoid getting filler in the perforations.
- Press the filler up again by running a finger over the joint. Fill again.
- Allow the filler to dry for about 45 minutes.
- Remove surplus filler.
- Allow the filler to dry.
- Apply the second layer of filler (Knauf Uniflott Finish). Overfill slightly.
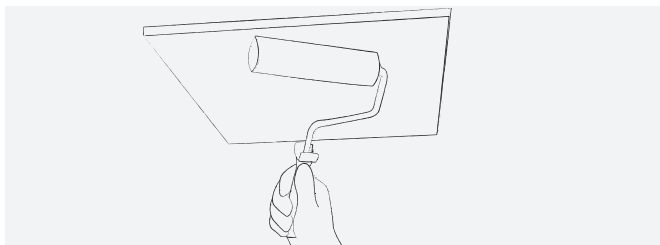- Allow the filler to dry.

FILLING SCREW HOLES

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SANDING

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PAINTING

- Make sure that the filler is completely dry and the surface is smooth and free from dust.
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