

INSTALLATION GUIDE

CONTRAPANEL



CONTRAPANEL (B)

- Impact-resistance acoustical panels for screw-fixing
- Suitable as lining for walls and ceilings
- Installed on steel (CD2 system)

CONDITIONS OF USE

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

STORAGE

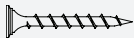
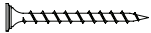
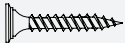
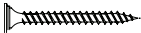
The products must be:

- 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 SCREWS FOR FIXING CONTRAPANEL

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

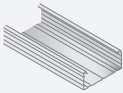






PRODUCT NAME		SAP NO.	SIZE
Screws	 White painted screw WS32T - for 1 layer on wood	198794	32
	 White painted screw no 408 - for 2 layers on wood	199109	42
	 White painted screw WS25S - for 1 layer on steel	219774	25
	 White painted screw WS38S - for 2 layers on steel	219780	38

INSTALLATION GUIDE CONTRAPANEL

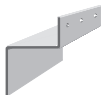
RECOMMENDED ACCESSORIES FOR STEEL FURRING SYSTEMS

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

Accessories for CD system – for installation on ceiling

	PRODUCT NAME	SAP NO.	SIZE	Consumption per m ²
	Primary / secondary CD 60/27-profile	3294	60 x 4000 x 27	4.2 m
	Wall angle UD 28/27	181589	28 x 3000 x 27	depending on size of room
	Length connector CD 60/27	181080	59 x 80 x 28	1.44 pcs.
	Cross-fitting	3446		6.0 pcs.
	Split pin for hanger	198907		2.6 pcs.
	Nonius hanger lower	198904		1.3 pcs.
	Nonius hanger upper 85mm Nonius hanger upper 135mm Nonius hanger upper 235mm Nonius hanger upper 340mm Nonius hanger upper 440mm Nonius hanger upper 540mm Nonius hanger upper 640mm Nonius hanger upper 740mm Nonius hanger upper 840mm Nonius hanger upper 940mm	198905 198906 198923 198924 198925 198926 198927 198928 198929 198930	125 - 185 135 - 235 235 - 340 340 - 440 440 - 540 540 - 640 640 - 740 740 - 840 840 - 940 940 - 1040	1.3 pcs.

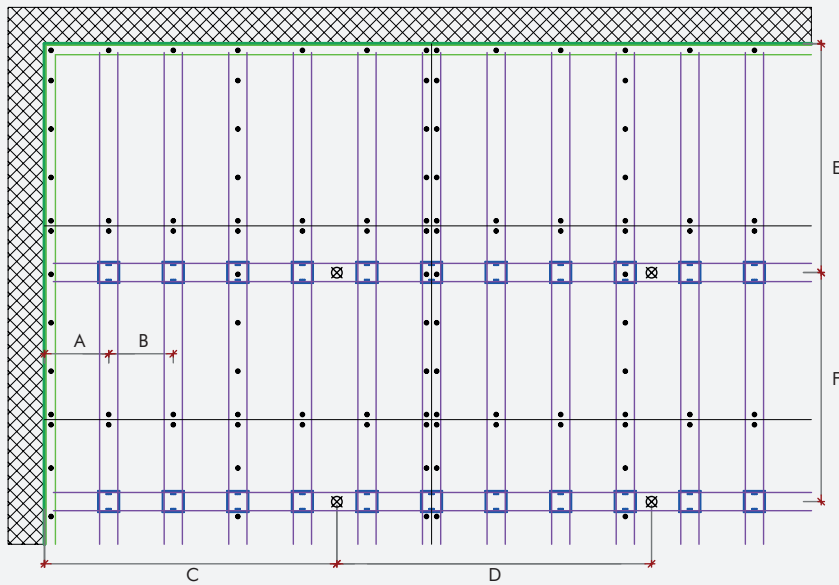
For installation
on walls



Z-profile19908930 x 45 x 45 x 2300

INSTALLATION GUIDE CONTRAPANEL AS CEILING LINING

CEILING LAYOUT



Legend:

Wall angle UD 28/27

CD profile 60/27

Cross fitting

Nonius hanger (type dependnt on installation depth)

• White Screw WS255

Panel edge

A = Max. 200 mm

B = Max. 200 mm

C = Max. 900 mm

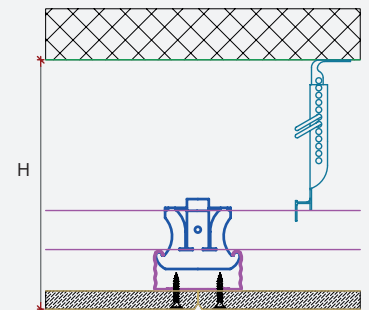
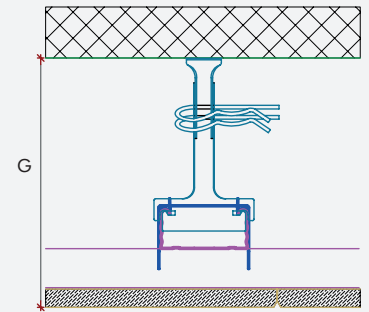
D = Max. 900 mm

E = Max. 200 mm

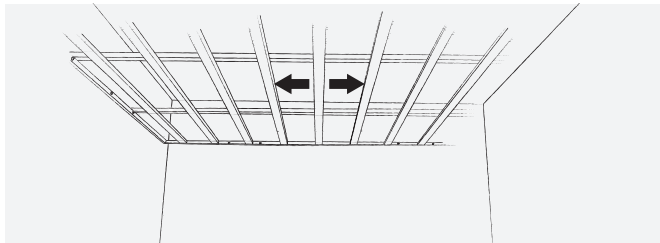
F = Max. 900 mm

G = Min. 80 mm

H = Min. 80 mm

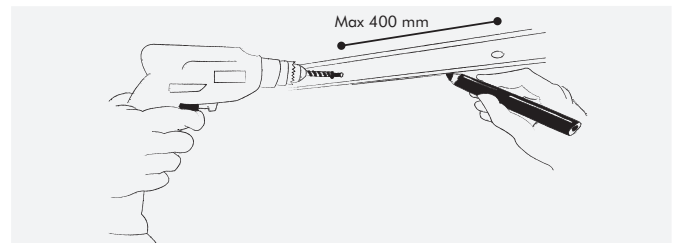


INSTALLATION OF PANELS



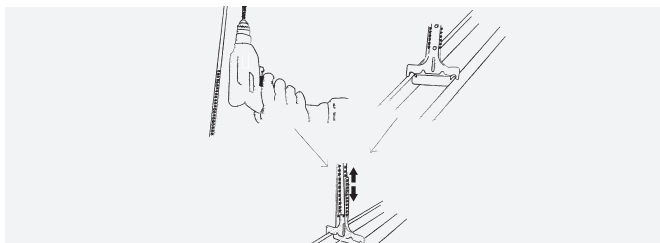
CEILING LAYOUT

- Divide the ceiling surface from the centre of the room or in accordance with the existing ceiling plans.



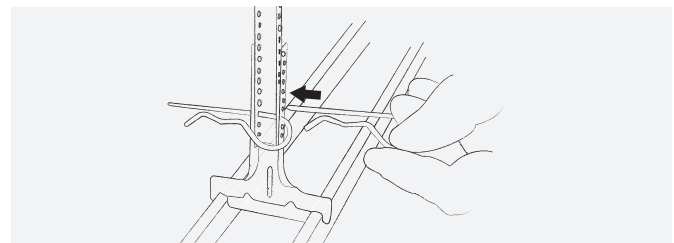
INSTALLING THE WALL PROFILE

- Mark out.
- Install UD profile 28/27 with a max. distance between screws of 400 mm. Choose the fixings in accordance with the substrate.



HANGERS

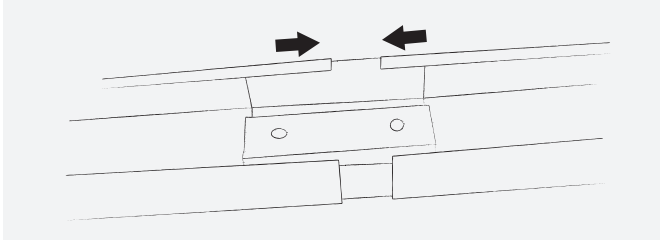
- Secure the upper part to the construction above it at 900 mm c/c.
- Secure the lower part to the primary profile.



PRIMARY PROFILES

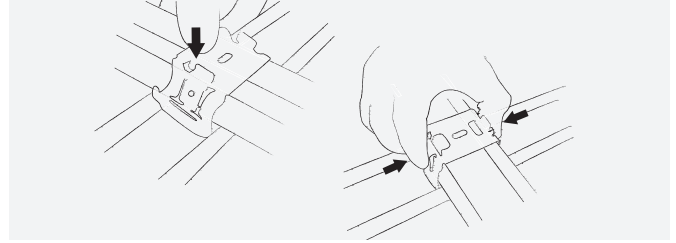
- Connect the two parts of the hangers with two split pins, one immediately above the other.
- Place the primary profiles at a max. distance of 900 mm from each other.

INSTALLATION GUIDE CONTRAPANEL AS **CEILING LINING**



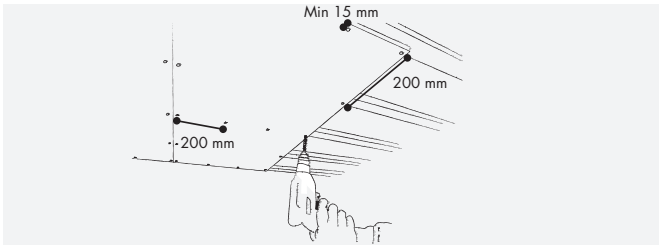
JOINING CD PROFILES

- Join the CD profiles (both primary and secondary profiles) with the help of length connectors.
- The joints can be made as butt joints.



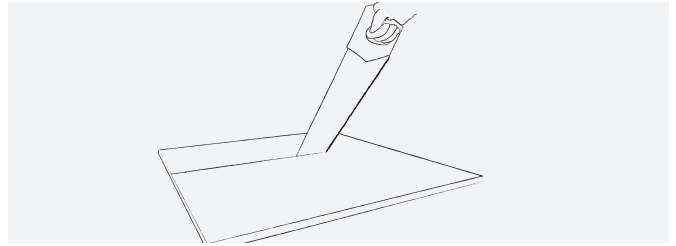
SECONDARY PROFILES

- Place a cross fitting on the primary profile.
- Press the underlying secondary profile into it.
- Place secondary profiles at 200 mm c/c.
- Adjust the locations of the secondary profiles and lock the cross fitting.



INSTALLATION

- Always wear cotton gloves when handling the panels.
- Mark the position of screws on the Contrapanel.
- Install the elements from the centre. Install the first row with the help of string.
- Secure screws min. 15 mm from the edge of the element at 200 mm c/c.
- Use white screws.

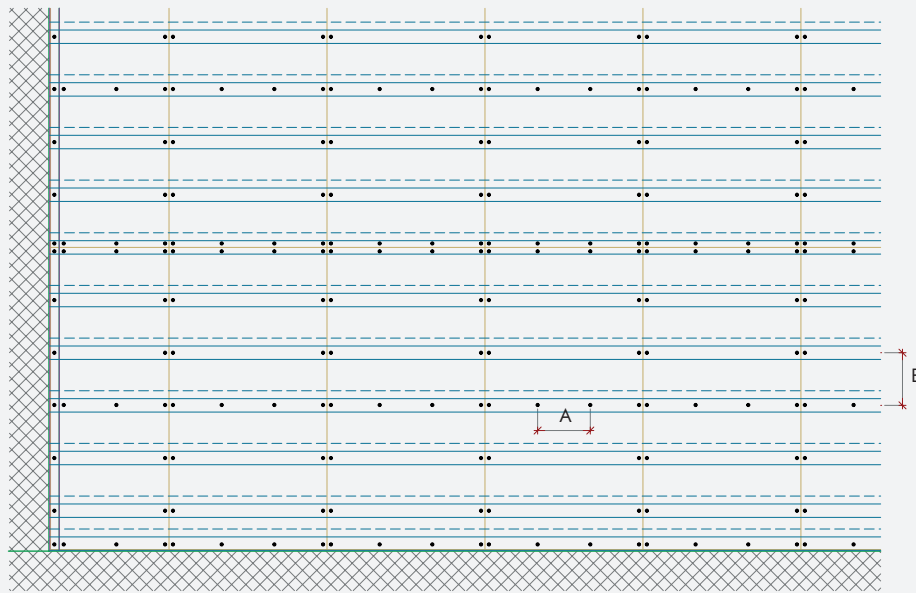


CUTTING

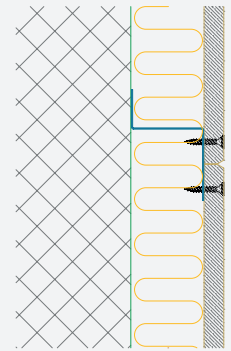
- Cut the elements to size from the front with a fine-toothed saw.

INSTALLATION GUIDE CONTRAPANEL AS WALL LINING





WALL LAYOUT



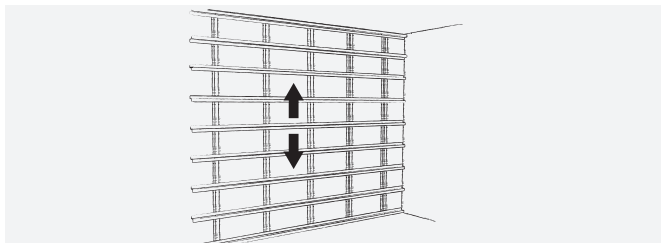
A = Max. 200 mm B = Max. 200 mm



Legend:

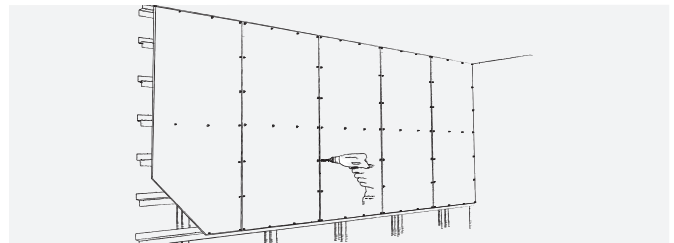
-  45 mm Z-profile
-  45 mm U-profile
-  Screw WS25S
-  Panel edge

INSTALLATION OF PANELS



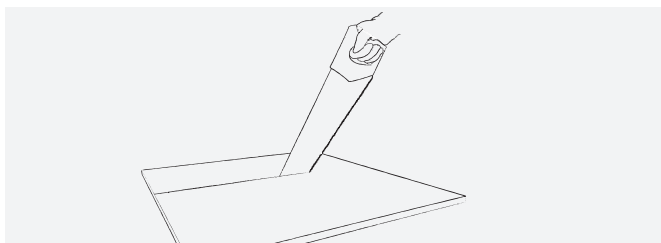
LAYOUT

- 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.
- Follow any available drawings or divide the surface of the wall so that the perforated modules are positioned symmetrically in the room.
- If there are requirements on impact resistance in accordance with DIN 18 032-3, the contrapanel must be installed with two layers of panels and minimum 2 m above floor level.



INSTALLATION

- Always wear clean cotton gloves when handling the panels.
- Mark the position of screws on the Contrapanel.
- Install the panels.
- Install the first row with the help of string.
- The perforated fields must be flush in their own rows and at right angles to the adjacent fields.
- Use white screws.



CUTTING

- Cut the elements to size from the front with a fine-toothed saw.