

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

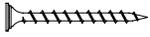
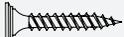
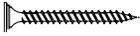
The products must be:

- 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

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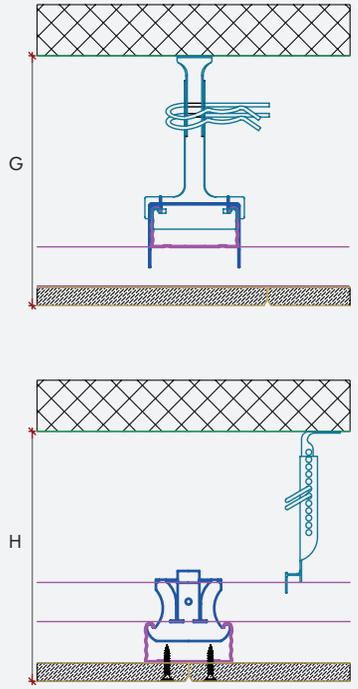
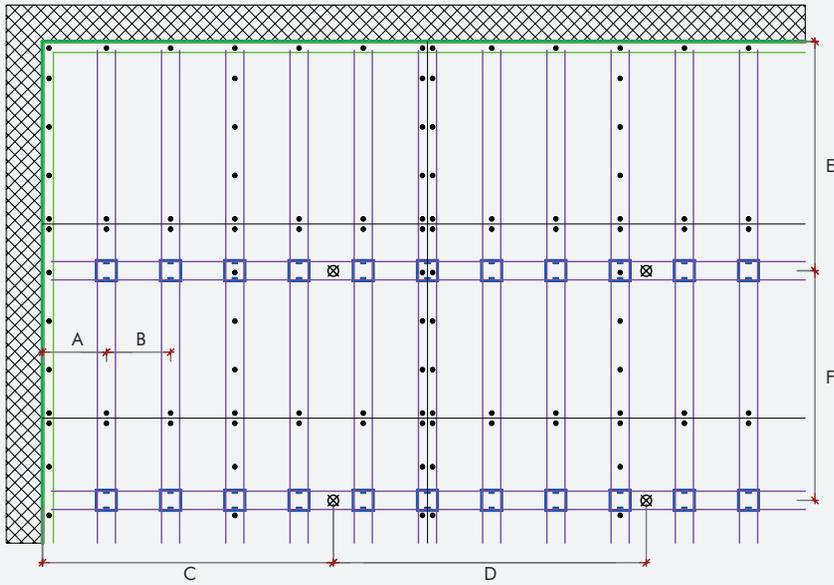
RECOMMENDED ACCESSORIES FOR STEEL FURRING SYSTEMS

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

	PRODUCT NAME	SAP NO.	SIZE	Consumption per m ²	
Accessories for CD system – for installation on ceiling		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	198905	125 - 185	1.3 pcs.
		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		
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			
For installation on walls		Z-profile	199089	30 x 45 x 45 x 2300	

INSTALLATION GUIDE CONTRAPANEL AS CEILING LINING

CEILING LAYOUT

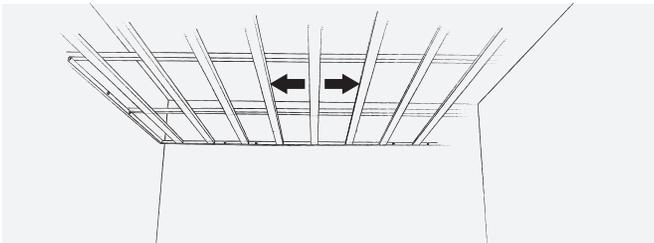


Legend:

- Wall angle UD 28/27
- CD profile 60/27
- Cross fitting
- Nonius hanger (type dependnt on installation depth)
- White Screw WS255
- Panel edge

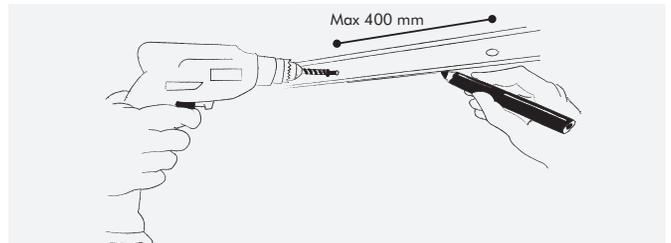
- A = Max. 200 mm
- B = Max. 200 mm
- C = Max. 900 mm
- D = Max. 900 mm
- E = Max. 200 mm
- F = Max. 900 mm
- G = Min. 80 mm
- H = Min. 80 mm

INSTALLATION OF PANELS



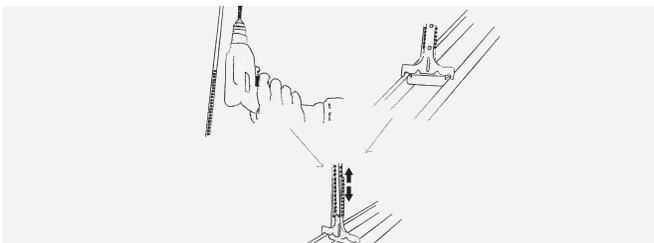
CEILING LAYOUT

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



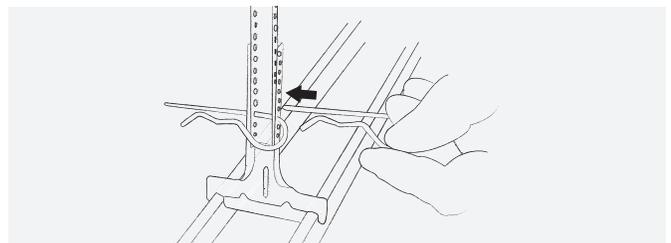
INSTALLING THE WALL PROFILE

- 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

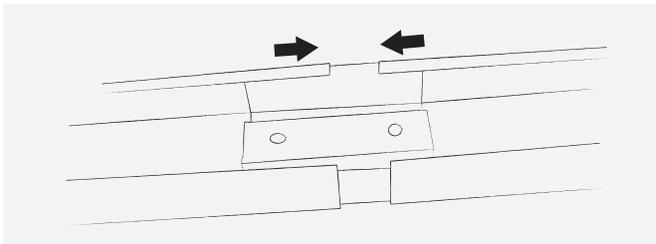
- Secure the upper part to the construction above it at 900 mm c/c.
- Secure the lower part to the primary profile.



PRIMARY PROFILES

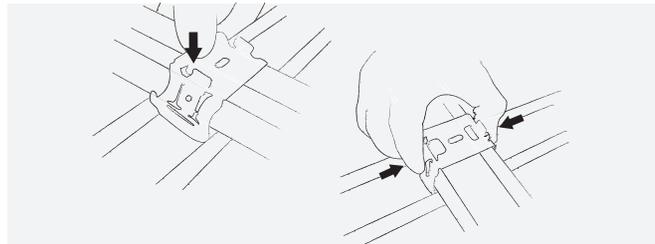
- Connect the two parts of the hangers with two split pins, one immediately above the other.
- Place the primary profiles at a max. distance of 900 mm from each other.

INSTALLATION GUIDE CONTRAPANEL AS CEILING LINING



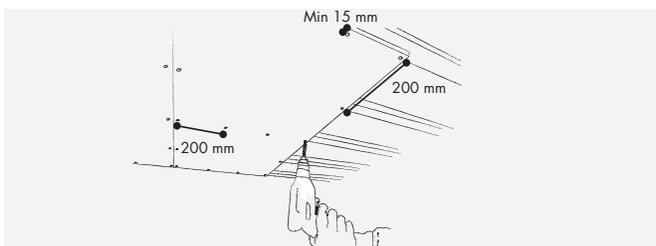
JOINING CD PROFILES

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



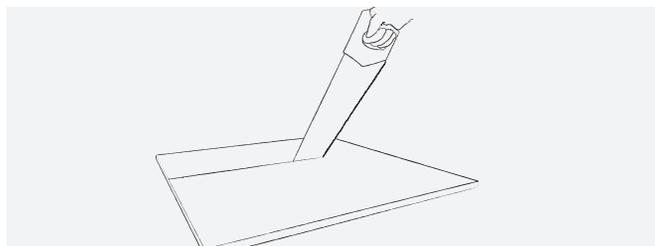
SECONDARY PROFILES

- 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.

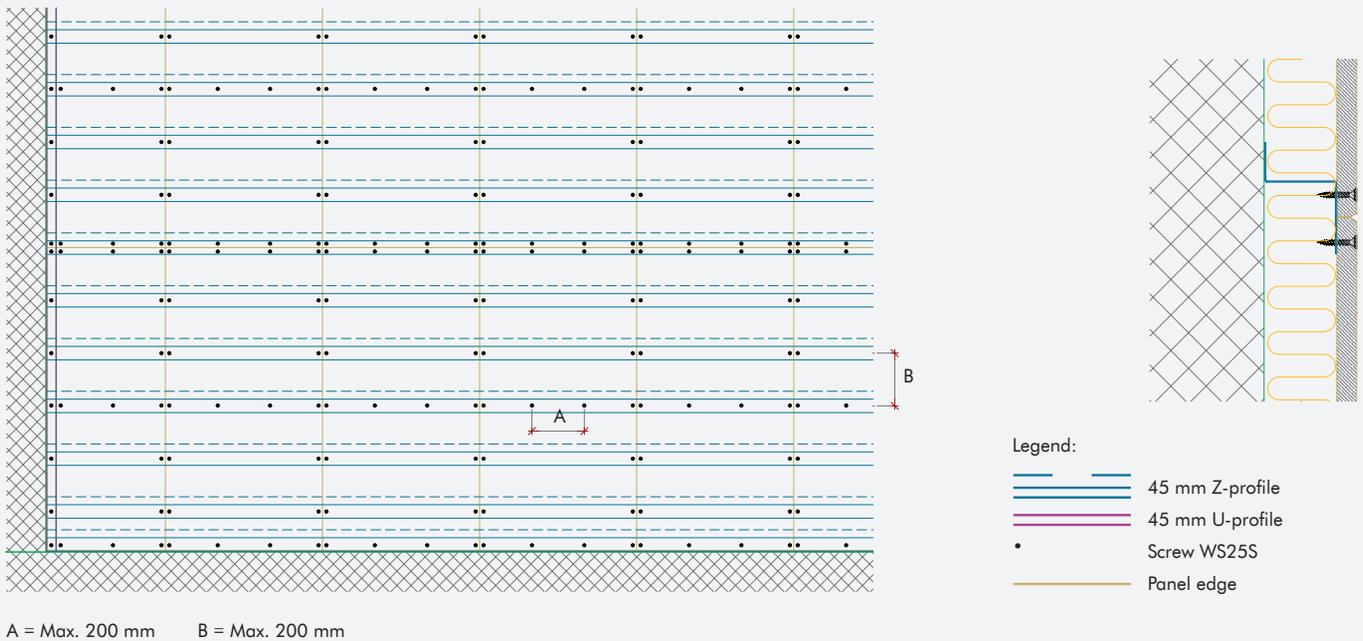


CUTTING

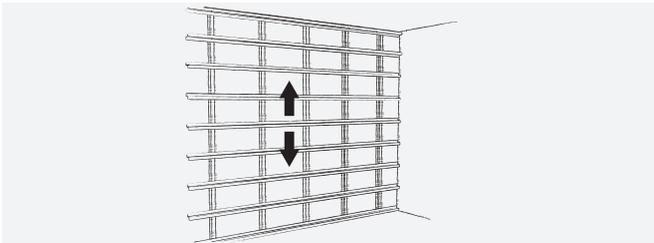
- Cut the elements to size from the front with a fine-toothed saw.

INSTALLATION GUIDE CONTRAPANEL AS WALL LINING

WALL LAYOUT

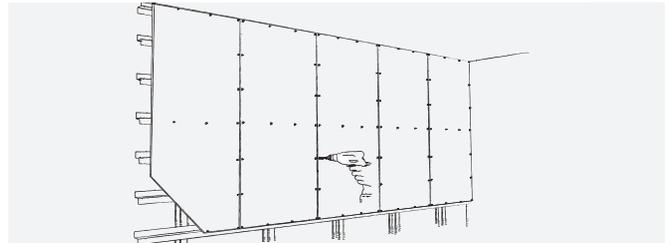


INSTALLATION OF PANELS



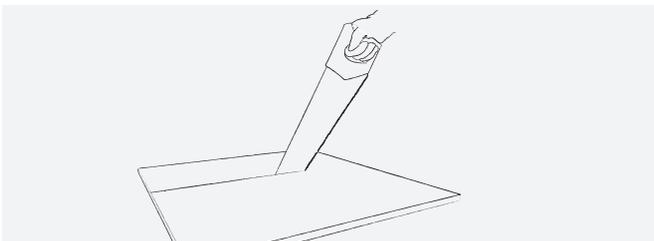
LAYOUT

- 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.