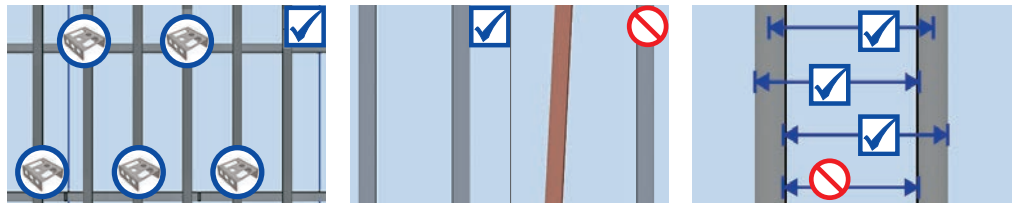


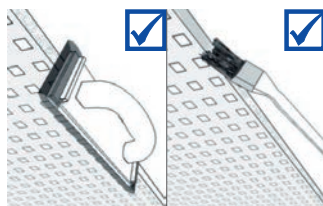
Check ceiling framework for rigidity and evenness (using a straight-edge).



Always mount straight connectors in a staggered manner (see figure). Then check ceiling grid CD sections for centre distances and adjust as necessary. Measure centre distances accurately!



Prior to installation, chamfer edges on visible sides of ceiling panels at 45 degrees using handheld sander. Prime edge area of gypsum core with Vogl Supergrund LF.



Angle must be 45 degrees.

We recommend the following accessories for installation:
Perforated panel screws incl. screw bit, Vogl mounting aid, Vogl Supergrund LF

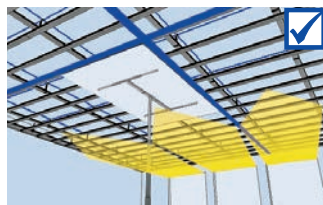
Correct handling of ceiling panels:

- Always take into account the load carrying capacity of building when storing ceiling panels
- Do not store ceiling panels upright, but always flat on panel pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from moisture; relative humidity should be 40 - 80 %
- Avoid major temperature fluctuations
- Do not expose stored ceiling panels to direct sunlight

As viewed from entrance to the area, choose panel arrangement with short edge parallel to the windows (main direction of light).

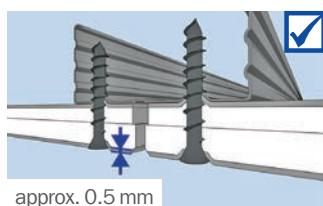


Get panel to correct position on framework using a panel lifter if working alone, or else another worker's help.

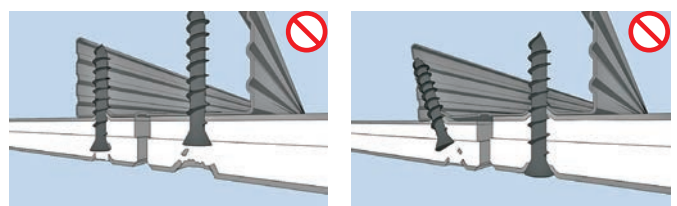


Perforation pattern	Centre distance
Straight round perforation 6/18, 8/18, 10/23, 12/25 Offset round perforation 8/12/50, Straight square perforation 8/18, 12/25, Random perforation 8/15/20, 12/20/35	333 mm
Straight round perforation 15/30 Offset round perforation 12/20/66	330 mm

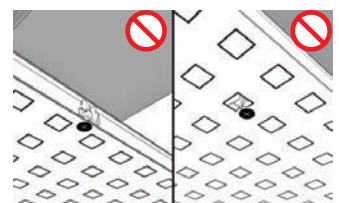
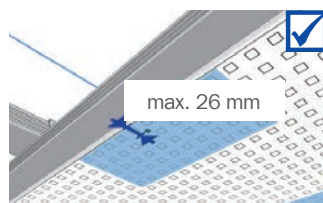
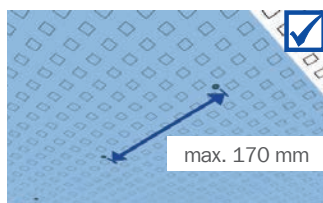
Screws must be put into panel at right angles and countersunk head screwed down to 0.5 mm below visible surface of ceiling panel.



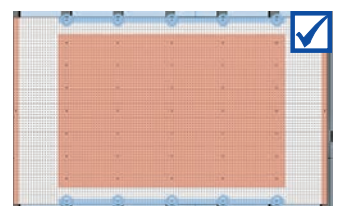
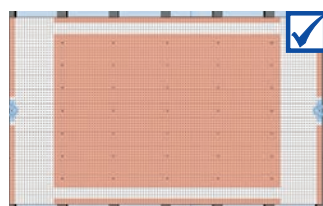
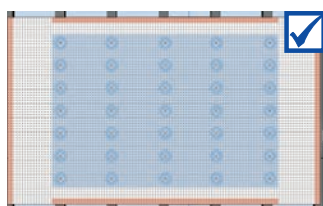
approx. 0.5 mm



Screws should be spaced 170 mm at max. from fixing point to fixing point. Distance between screw and panel edge not to exceed 26 mm. Avoid damaging acoustic design panels by countersunk heads.



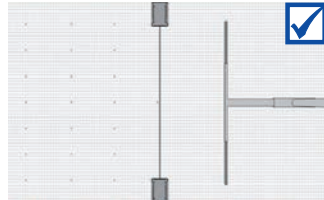
First, screw ceiling panel to framework in centre of panel, then lower panel lifter and fix a screw in centre of each short edge before finally screwing down long edges.



Take note of panel labelling (stamp) and mount in direction of reading (all stamps should point in same direction).



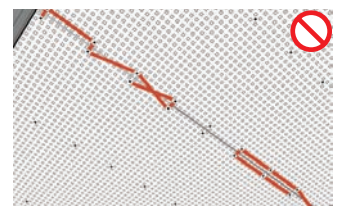
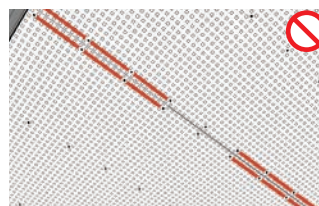
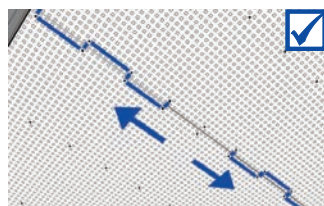
Use CD profile or straightedge as end stop. Position next panel by sliding it to first alongside CD profile / straightedge and fixing it in place.



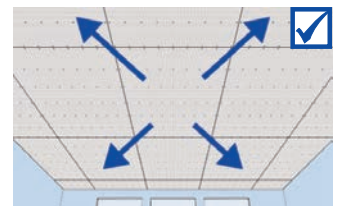
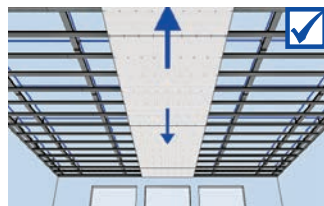
General site conditions / Manufacturer's instructions:

- Take movement joints of building structure into account
- Plan to include expansion joints after approx. every 10 m or approx. 100 m²
- Cardboard layer must not be penetrated by screws, but merely displaced downwards
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Place any damping (mineral wool layer) directly onto the ceiling panels
- Carry out any additional work on ceiling (access openings, lighting recesses, etc.) immediately after installing ceiling panels and always before finishing joints

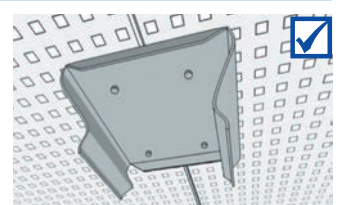
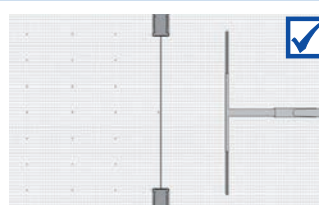
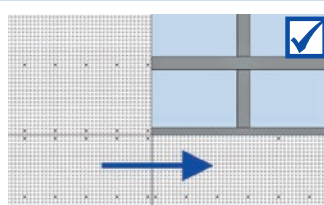
Fix screws in panel joint area using alternating pairs across panels ("zig-zag" principle), starting left or right next to screw which has already been fixed. This will create flush joint areas.



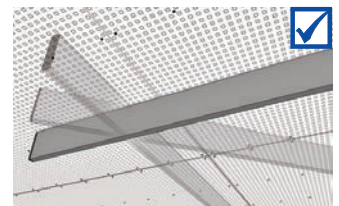
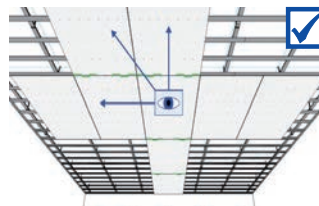
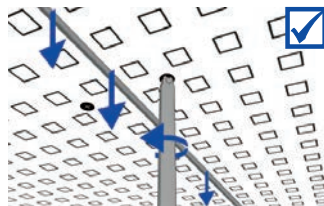
Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.



Install rest of ceiling panels, always working with two mounting aids (except in case of random perforation) and heeding proper seating of mounting aids. Install panels exclusively in "cross joint" system and always check optical appearance of perforation (straight and diagonal).

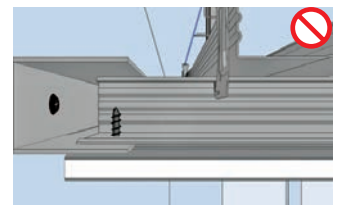
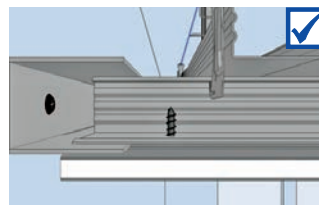
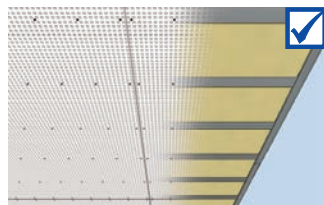


After all panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Do another visual check of perforation pattern, and finally use a straightedge to check entire ceiling.



Place any damping layer directly onto back of ceiling panels.

Never screw into UD28 profile when mounting panels at ceiling perimeter.



Provide for expansion joint of 5 to 10 mm every 10 linear metres / 100 m².

Additional board strip above joint must be screwed down on one side only.

