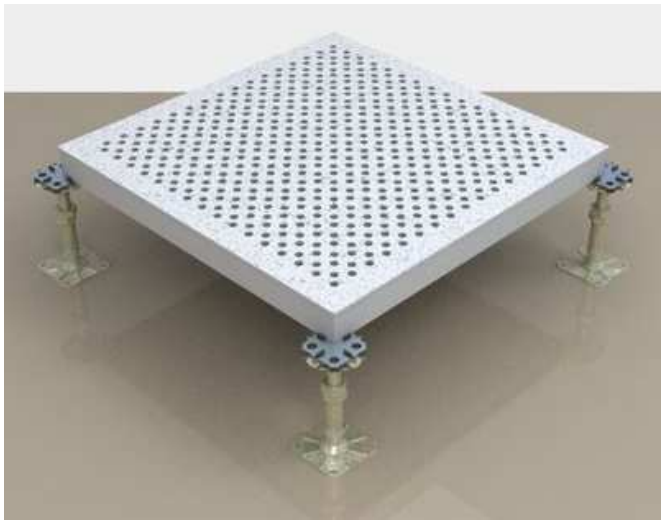
Technical data (panel)

Clean room raised floor type ALUVENT 10000

The ventilation panel ALUVENT 10000 is based on the access floor system PRODATA 10000. Therefore, the technical data corresponds to the panel PRODATA 10000. Later drilling of holes changes the raised floor system PRODATA 10000 to the ventilation panel system ALUVENT 10000. So it is possible to change former solid panels into ventilation panels. This guarantees highest flexibility.

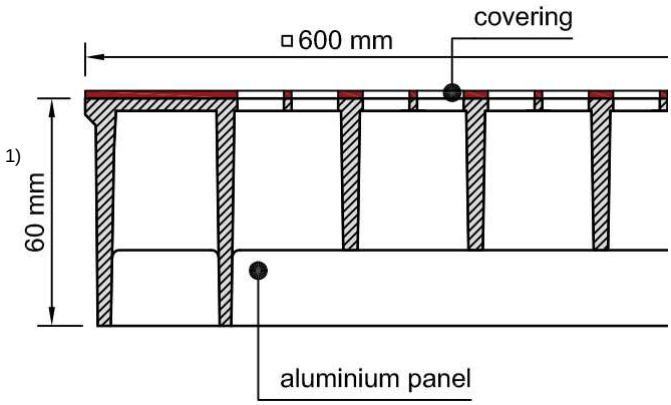
Advantages:

- Manufactured with the highest precision and accuracy
- reaction to fire performance A1 (incombustible) acc. to DIN 4102
- aero-dynamically non-abrasive, anti-magnetic and corrosion resistant
- easy to handle due to low weight
- excellent electrostatic discharge
- high load-bearing capacity with low deflection
- easy to make later cut-outs
- highly economical throughout its long life



The picture shows the ALUVENT 10000 panel with 512 perforations and a covering type ColoRex. Another hole patterns are possible.
(exemplary illustration)

Section:



Technical data

Load class	6 (10 kN)	according to DIN EN 12825 and user guideline with safety factor 2, nominal load in brackets
Breaking load	20 kN	
Deflection class	B	according to DIN EN 12825
Reaction to fire performance	A1	according to DIN 4102; A1 (incombustible)
Electrostatic conductivity [Ohm]	≥ 1 x 10^4 Ω	measured according to DIN EN 1081/ DIN 54345
Weight of panel	about 14,5 kg	
Floor heights (installation height)	56 – 1470 mm	with Lindner pedestal system; special height on request
Thickness of panel without covering [1)]	60 mm	
Spacing	600 x 600 mm	

[1)] Milling of the edges allows an adjustment of the panel height.

Caution: The deflection of the raised floor panel can change depending on size and number of drillings.

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Hole patterns and drill diameters at a glance

Spacing 600 x 600 mm

Amount of holes	Diameter of drills	free cross-section in cm²	free cross-section in %
256	8,0 mm	129	3,6%
256	9,3 mm	174	4,8%
256	10,0 mm	201	5,6%
256	11,0 mm	243	6,8%
256	11,5 mm	266	7,4%
256	11,7 mm	275	7,6%
256 [2)]	**12,3 mm** [2)]	**304** [2)]	**8,4%** [2)]
256	12,7 mm	324	9,0%
256	14,0 mm	394	10,9%
512	8,0 mm	257	7,1%
512	9,3 mm	348	9,7%
512	10,0 mm	402	11,2%
512	11,0 mm	486	13,5%
512	11,5 mm	532	14,8%
512	11,7 mm	550	15,3%
512 [2)]	**12,3 mm** [2)]	**608** [2)]	**16,9%** [2)]
512	12,7 mm	648	18,0%
512	14,0 mm	788	21,9%
784	8,0 mm	394	10,9%
784	9,3 mm	532	14,8%
784	10,0 mm	615	17,1%
784	11,0 mm	745	20,7%
784	11,5 mm	814	22,6%
784	11,7 mm	842	23,4%
784 [2)]	**12,3 mm** [2)]	**931** [2)]	**25,9%** [2)]
784	12,7 mm	993	27,6%
1024	8,0 mm	514	14,3%
1024	9,3 mm	695	19,3%
1024	10,0 mm	804	22,3%
1024	11,0 mm	973	27,0%
1024	11,5 mm	1063	29,5%
1024	11,7 mm	1100	30,6%
1024 [2)]	**12,3 mm** [2)]	**1216** [2)]	**33,8%** [2)]
1024	12,7 mm	1297	36,0%
1152	8,0 mm	579	16,1%
1152	9,3 mm	782	21,7%
1152	10,0 mm	904	25,1%
1152	11,0 mm	1094	30,4%
1152	11,5 mm	1196	33,2%
1152	11,7 mm	1238	34,4%
1152 [2)]	**12,3 mm** [2)]	**1368** [2)]	**38,0%** [2)]
1152	12,7 mm	1459	40,5%

[2)] Standard drill diameter

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Hole patterns and drill diameters at a glance Spacing 600 x 600 mm

Amount of holes	Diameter of drills	free cross-section in cm²	free cross-section in %
320	8,0 mm	161	4,5%
320	9,3 mm	217	6,0%
320	10,0 mm	251	7,0%
320	11,0 mm	304	8,4%
320	11,5 mm	332	9,2%
320	11,7 mm	344	9,6%
320 2)	**12,3 mm 2)**	**380 2)**	**10,6%2)**
320	12,7 mm	405	11,3%
320	14,0 mm	492	13,7%
640	8,0 mm	322	8,9%
640	9,3 mm	435	12,1%
640	10,0 mm	502	14,0%
640	11,0 mm	608	16,9%
640	11,5 mm	664	18,5%
640	11,7 mm	688	19,1%
640 2)	**12,3 mm 2)**	**760 2)**	**21,1% 2)**
640	12,7 mm	810	22,5%
1280	8,0 mm	643	17,9%
1280	9,3 mm	869	24,1%
1280	10,0 mm	1005	27,9%
1280	11,0 mm	1216	33,8%
1280	11,5 mm	1329	36,9%
1280	11,7 mm	1375	38,2%
1280 2)	**12,3 mm 2)**	**1520 2)**	**42,2% 2)**
1280	12,7 mm	1621	45,0%

2) Standard drill diameter

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