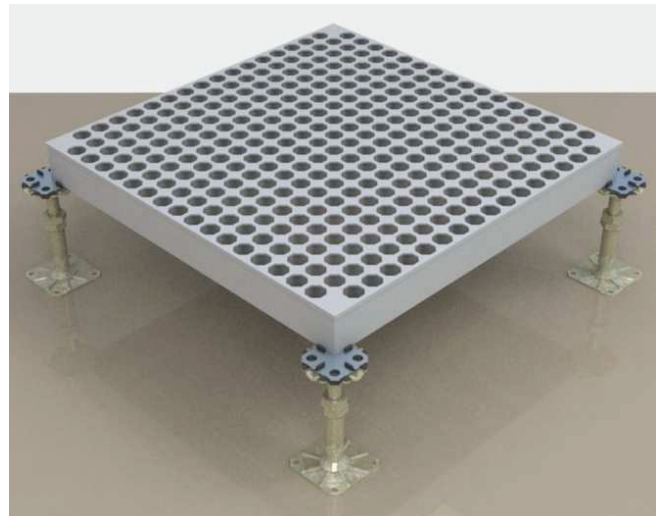The ventilation panel OCTOGRATE 7500 is based on a high-quality aluminium diecast panel in orthotrop construction. It is manufactured with the highest precision and accuracy and usually finished with a conductive powder-coating. With a free cross-section of more than 53% the panel OCTOGRATE was developed for cleanroom conceptions in which an extremely high volume of air with a simultaneous low loss of pressure is required. Therefore, OCTOGRATE 7500 is predestined for use in cleanrooms up to and including class ISO 3 (DIN EN ISO 14644-1).
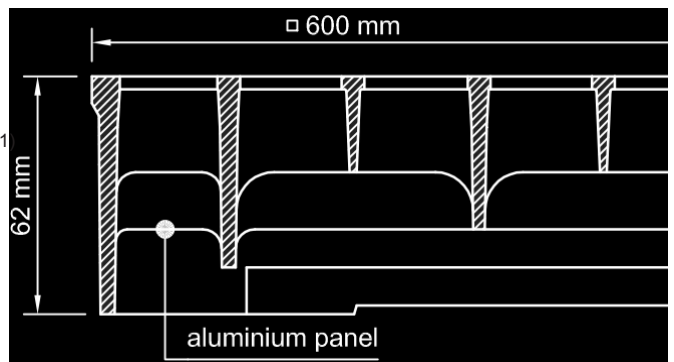
Advantages:

- 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
- no covering required
- free cross section of more than 53% (spacing 600 x 600 mm)

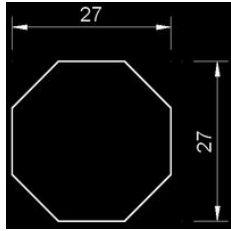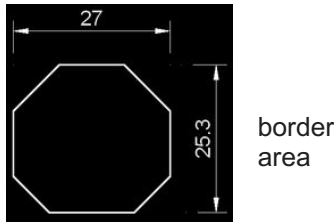The picture shows the OCTOGRATE 7500 panel with coating. (exemplary illustration)

Section:

□ 600 mm

62 mm

aluminium panel

Technical data

Load class	6 (7kN)	according to DIN EN 12825 and user guideline with safety factor 2, nominal load in brackets
Breaking load	14 kN	
Deflection class	B	according to DIN EN 12825
Reaction to fire performance	A1	according to DIN 4102; A1 (incombustible)
Electrostatic conductivity [Ohm]	$\geq 1 \times 10^4 \, \Omega$	measured according to DIN EN 1081/ DIN 54345
Weight of panel	about 10 kg	
Floor heights (installation height)	30 – 750 mm	with Lindner pedestal system; special height on request
Thickness of panel without covering [1]	62 mm	
Spacing	600 x 600 mm	

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

![Lindner]

Technical data (panel)
**Clean room raised floor
type OCTOGRATE 7500**

Standard hole patterns and dimensions at a glance   Spacing 600 x 600 mm

Amount of Octagons	Dimension of Octagons		free cross-section in cm²	free cross-section in %
320	27 / 27	27 / 25.3 — border area	1918	53,3