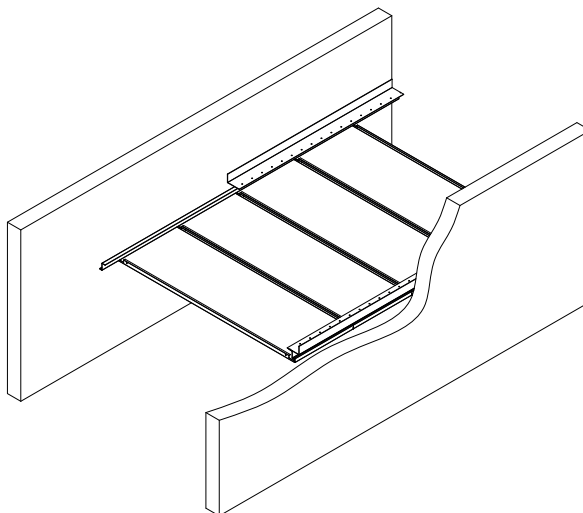


vektron ceiling solutions specification sheet

product name vektron hook-on ceiling system



vektron quality standard

vektron metal ceilings are manufactured to the highest international quality standards. Provided that they are installed, maintained and cleaned in particular in accordance with our owner's and maintenance manual and installation recommendations. vektron metal ceilings can be expected to remain durable for up to 30 years.

In general all vektron ceiling systems comply with the standard EN13964:2014

technical specifications

Hot-dipped galvanised steel cassette panels with customised surfaces supported by recessed J-profile mounted by nonius hangers or L-shaped wall profile, manufactured in accordance with European and TAIM standards.

membrane materials

size	vektron cassette panels manufactured from 0,5-0,7 mm hot-dipped galvanised steel with a minimum zinc coating of 50 g/m ² , sizes vary in length up to 2400mm and width up to 800mm, manufactured with a thickness depending on the dimensions in accordance with EN13964:2014.
edge	The edge detail can vary in height depending on the demanded specifications. Standard height of the hook-on detail is 45mm.
perforation pattern	Standard perforation diameter 2,5mm square grid 16% perforated with unperforated border of 100mm or plain. Other perforations available as per the catalogue.
finish	Electrostatically applied polyester powder coating with a paint thickness of minimum 60µ.
colour	vektron white, with texture inspired by stucco or RAL 9010, RAL9016 or RAL9004
gloss rate	Approx. <5% for vektron white and RAL9004 or 20% for RAL 9010, RAL9016
light reflection	>80% for vektron white
access to ceiling void	All ceiling panels to be removable
applicable norms	DIN EN 10142/ DIN EN 10143/ DIN EN 10147

suspension system

vektron hook-on J-bar to be suspended from architectural ceiling through threaded rod or from wall by use of wall mount

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perimeter details - options	L-wall profile ref.-no vk760041: 20x35mm, 2400mm bended profile made of galvanised steel 0,5mm powder coated With neodymium magnet for cutted tiles.
sound absorption	Perforated cassette panels fitted out with acoustic soundtex can achieve a soundabsorption ratio of $\alpha_w = 0,5-0,9$ (DIN EN ISO 11 654) measured in accordance with DIN EN 20 354 (ISO 354). Perforated cassette panels fitted out with acoustic soundtex and extra mineral wool G16/40 can achieve a soundabsorption ratio of $\alpha_w = 0,85$ (DIN EN ISO 11 654) measured in accordance with DIN EN 20 354 (ISO 354)
longitudinal sound reduction	vektron cassette panels fitted out with acoustic inlays and backing plates can, achieve a room-to-room sound reduction of more then 30dB in accordance with ISO 140-9/ASTM E 413.
fire performance	Reaction to fire: ceilings are tested in accordance with EN 13501-1 and DIN 4102 part 1, the vektron ceiling system achieves the class A2-s2-d0 for perforated tiles and A2-s1-d0 for non-perforated tiles.
manufacturing tolerances	vektron cassette panels and all corresponding sub-construction parts are manufactured in accordance with international quality standard for metal ceilings TAIM (Technical Association of Industrial Metal Ceiling Manufacturers) and EN 13964.
luminaries and integrated techniques	The metal ceiling system is compatible to all vektron ceiling luminaries, vektron integrated techniques and other luminaries and techniques.
installation and maintenance	The installation and maintenance has to be executed in accordance with owner's and maintenance manual as well as the installation recommendations.