

KNAUF

METAL Axal Vector

Exposed Grid

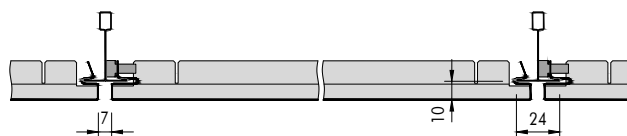
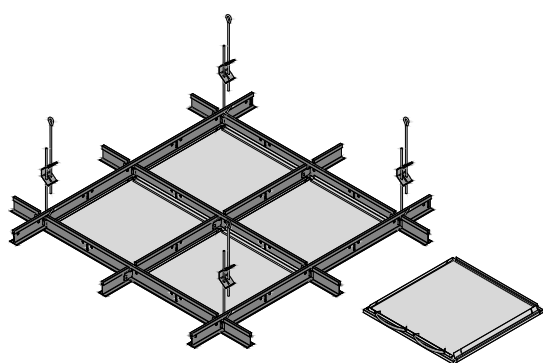


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Build on us.

- An easy to install and flexible system which offers a diversity of design and applications, and can be installed with a very low void depth.
- Semi-concealed solution with 7mm reveal detailing for a monolithic effect.
- Additional design options available as part of our Vario Design range.
- Downwardly accessible and easy to install / remove without tools.
- Used in a variety of ceiling areas: from small to large commercial office buildings and major transportation terminals.

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Tiles

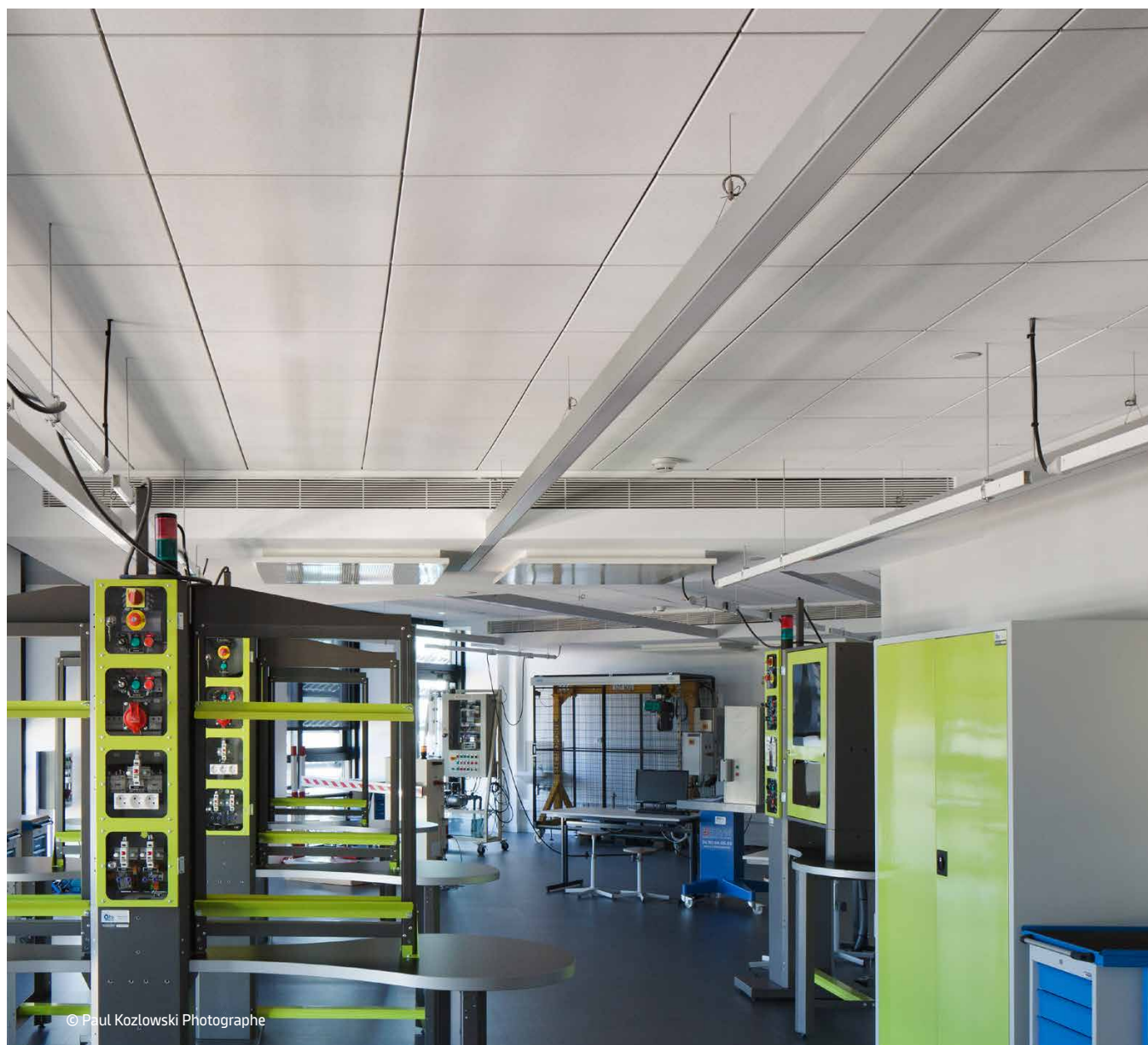
Material post-coated galvanised steel 0.5 mm

Edge detail square edged

Modules 600 x 600 mm

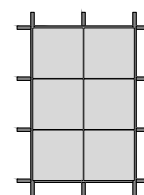
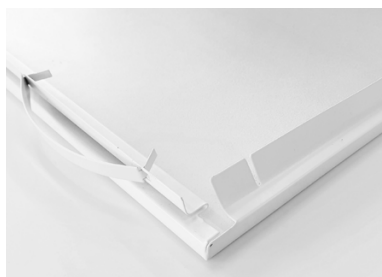
Suspension system

Standard 24 mm T-grid (System C)



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For security applications, METAL Axal Vector can be used where unauthorised removal of tiles is not desirable. This is achieved by installing tiles as normal and folding down the tabs.



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	VarioDesign options on request									Features & performances								
	Dimensions	Shapes	Post-coated aluminium	Perforations	RAL & NCS colours	BioGuard finish	Wood effect finish	Acoustic infills	Cut-outs	Grid alternatives	Secure function	Swing-down function	Clean room*	Seismic*	Impact resistance*	Fire resistance*	Suitable for chilled ceilings	Exterior*
METAL Axal Vector				■	■	■	■	■	■		■							

* see separate datasheet

Characteristic	Detailed information														
Colour / Perforations															
		RAL 9016	RAL 9010	RAL 9006	RAL 9007	RAL 9005	further RAL & NCS colours on request				Unperforated	Rg 0701	Rg 0704	Rd 1522	Rg 2516
		further RAL & NCS colours on request												further options see acoustic datasheet	
Acoustic infills		Black acoustic fleece VLSRX												further options see acoustic datasheet	
Weight		3.9 - 4.7 kg/m²													
		Weight varies depending on the perforation and acoustic infill.													
Acoustics			EN ISO 354									EN ISO 10848-2	EN ISO 10140-2		
			α _w	Cavity [mm]	Class	Frequency (Hz) α _p					NRC	D _{n,f,w} [dB]	R _w [dB]	CAC [dB]	
						125	250	500	1000	2000	4000				
		Unperforated	0.10(L)	200	NC	0.40	0.20	0.10	0.10	0.10	0.15	0.15	34	19	35
		Rg 0701 + VLSRX	0.65(LM)	200	C	0.50	0.85	0.90	0.65	0.60	0.50	0.75	19	10	20
		Rg 0704 + VLSRX	0.80(L)	200	B	0.45	0.85	0.95	0.75	0.75	0.70	0.85	19	10	19
		Rd 1522 + VLSRX	0.60	200	C	0.25	0.60	0.75	0.50	0.60	0.60	0.60	14	6	15
		Rg 2516 + VLSRX	0.70	200	C	0.30	0.70	0.85	0.60	0.70	0.70	0.70	16	6	16
		α _w : as per EN ISO 11654 / NRC: as per ASTM C 423-01 / D _{n,f,w} : as per EN ISO 717-1 / CAC: as per ASTM E 413-10													
Fire reaction		Unperforated: Euroclass A1 ; Rg 0701 / Rg 0704 with acoustic fleece VLSRX: Euroclass A2-s1, d0 ; Rd 1522 / Rg 2516 with acoustic fleece VLSRX: Euroclass A2-s2, d0 ; as per EN 13501-1													
Light reflectance		RAL 9010 unperforated: 85% ;				RAL 9010 Rg 0701: 83% ;				RAL 9010 Rg 0704: 82% ;					
		RAL 9010 Rd 1522: 66% ;				RAL 9010 Rg 2516: 73%									
Humidity resistance		90% RH													
Indoor air quality															
		A+	E1	IAC Gold											
Sustainability															
		17.3% (2023)													
Cleanability															