

KNAUF

METAL Axal Vector

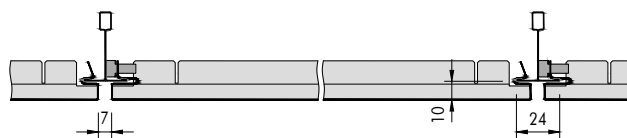
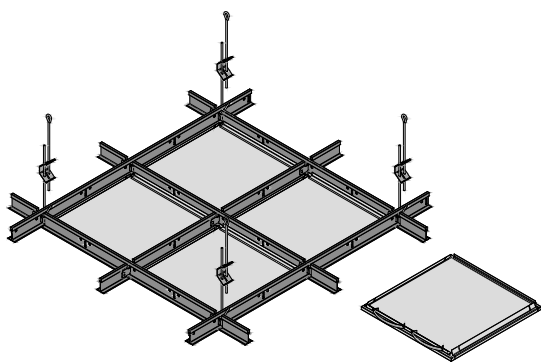
Exposed Grid



- 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.

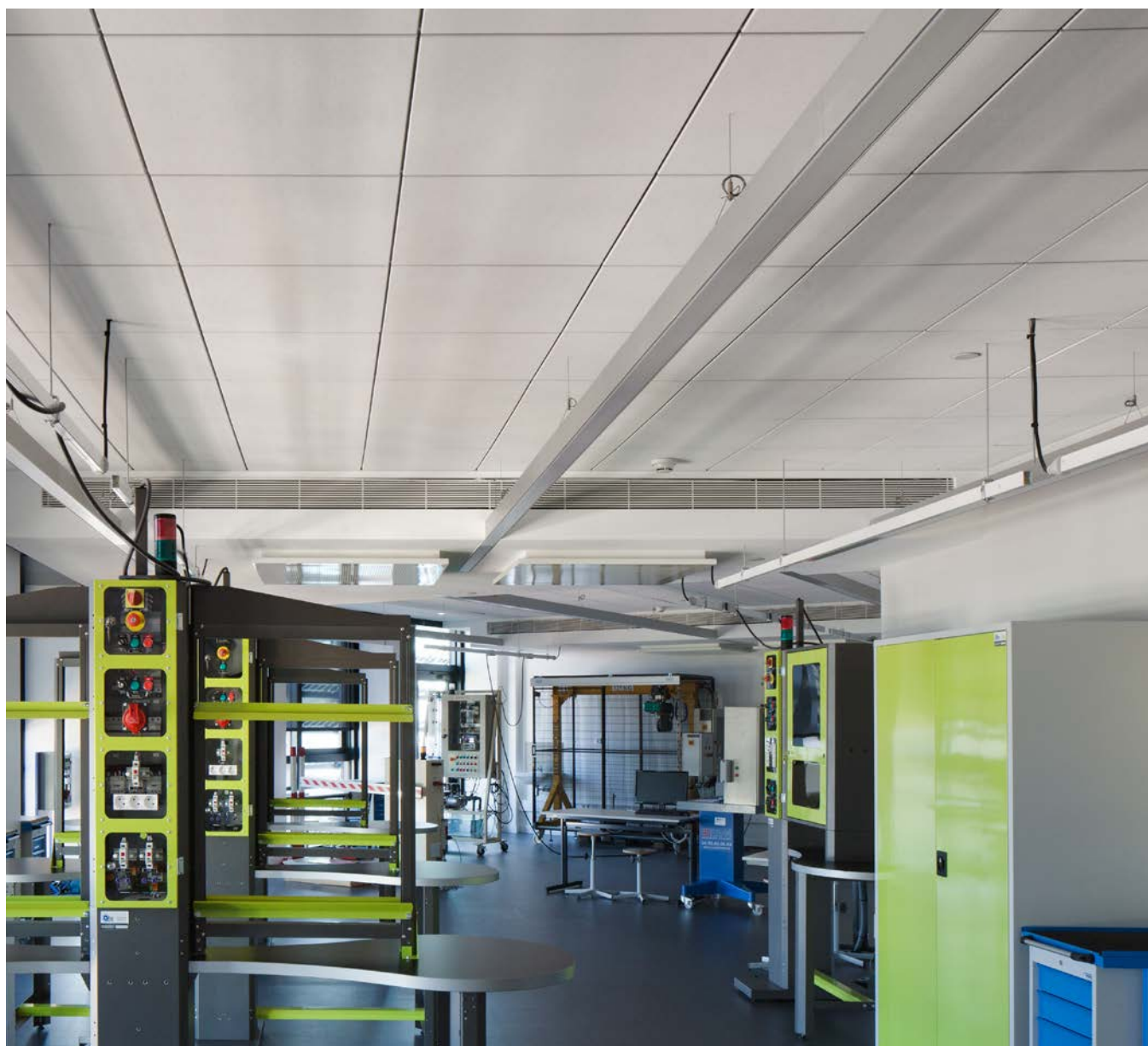
Build on us.

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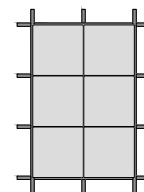
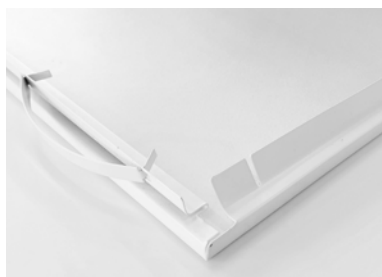


Tiles	
Material	post-coated galvanised steel 0.5 mm
Edge detail	square edged
Modules	600 x 600 mm

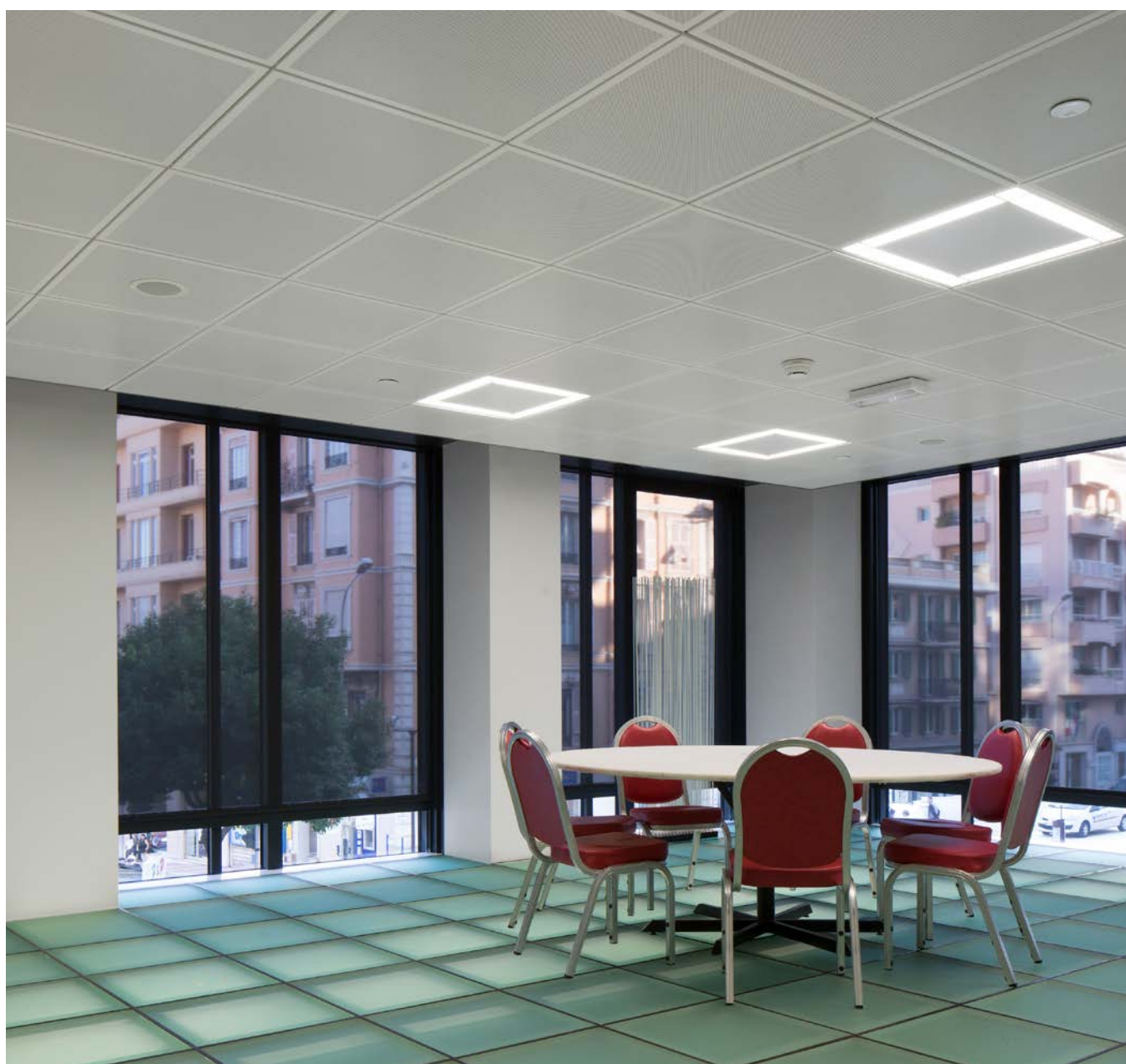
Suspension system	
Standard	24 mm T-grid (System C)



METAL Axal Vector



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.



	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 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	 <table border="1"> <thead> <tr> <th rowspan="3"></th> <th colspan="10">EN ISO 354</th> <th>EN ISO 10848-2</th> <th>EN ISO 10140-2</th> <th rowspan="3">CAC [dB]</th> </tr> <tr> <th rowspan="2">α_w</th> <th rowspan="2">Cavity [mm]</th> <th rowspan="2">Class</th> <th colspan="6">Frequency (Hz) α_p</th> <th rowspan="2">NRC</th> <th rowspan="2">D_{n,f,w} [dB]</th> <th rowspan="2">R_w [dB]</th> </tr> <tr> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td>Unperforated</td> <td>0.10(L)</td> <td>200</td> <td>NC</td> <td>0.40</td> <td>0.20</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>34</td> <td>19</td> <td>35</td> </tr> <tr> <td>Rg 0701 + VLSRX</td> <td>0.65(LM)</td> <td>200</td> <td>C</td> <td>0.50</td> <td>0.85</td> <td>0.90</td> <td>0.65</td> <td>0.60</td> <td>0.50</td> <td>0.75</td> <td>0.75</td> <td>19</td> <td>10</td> <td>20</td> </tr> <tr> <td>Rg 0704 + VLSRX</td> <td>0.80(L)</td> <td>200</td> <td>B</td> <td>0.45</td> <td>0.85</td> <td>0.95</td> <td>0.75</td> <td>0.75</td> <td>0.70</td> <td>0.85</td> <td>19</td> <td>10</td> <td>19</td> </tr> <tr> <td>Rd 1522 + VLSRX</td> <td>0.60</td> <td>200</td> <td>C</td> <td>0.25</td> <td>0.60</td> <td>0.75</td> <td>0.50</td> <td>0.60</td> <td>0.60</td> <td>0.60</td> <td>14</td> <td>6</td> <td>15</td> </tr> <tr> <td>Rg 2516 + VLSRX</td> <td>0.70</td> <td>200</td> <td>C</td> <td>0.30</td> <td>0.70</td> <td>0.85</td> <td>0.60</td> <td>0.70</td> <td>0.70</td> <td>0.70</td> <td>16</td> <td>6</td> <td>16</td> </tr> </tbody> </table> 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		EN ISO 354										EN ISO 10848-2	EN ISO 10140-2	CAC [dB]	α _w	Cavity [mm]	Class	Frequency (Hz) α _p						NRC	D _{n,f,w} [dB]	R _w [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	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	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	
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Fire reaction	 Unperforated: Euroclass A1 ; Perforated with acoustic fleece VLSRX: Euroclass A2-s2, d0 ; as per EN 13501-1																																																																																																									
Light reflectance	 RAL 9010 unperforated: 85% ; RAL 9010 Rd 1522: 66% ; RAL 9010 Rg 0701: 83% ; RAL 9010 Rg 2516: 73% ; RAL 9010 Rg 0704: 82%																																																																																																									
Humidity resistance	 90% RH																																																																																																									
Indoor air quality	 																																																																																																									
Sustainability	 17.3% (2023)																																																																																																									
Cleanability	 																																																																																																									