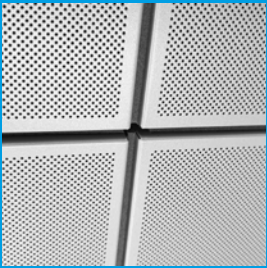


KNAUF

METAL *Wallcoustic Element, Wallcoustic Horizon 1000, Wallcoustic Horizon 1100* Wall Solutions

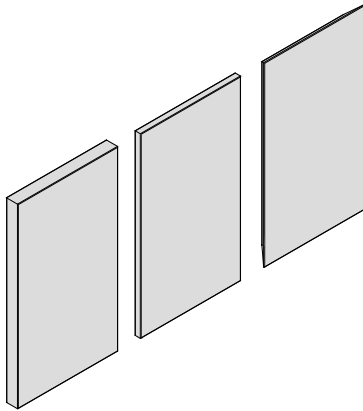


- METAL Wallcoustic Element is a range of wall solutions that help structure and define spaces and accentuate an area. They provide a focus or create wall sculptures that help control sound reverberation within a space.
- Fully configurable solution, available with different edge details, simple and fast installed by using a wall hanging kit.
- METAL Wallcoustic Horizon 1000 and METAL Wallcoustic Horizon 1100, are hook-on wall systems without visible fasteners which enable faster installation. Fully configurable large size panels, in either portrait or landscape orientation
- Additional design options available as part of our Vario Design range.
- Acoustic and architectural design elements for market segments such as office, education or transportation.

Build on us.

METAL Wallcoustic Element, Wallcoustic Horizon 1000, Wallcoustic Horizon 1100

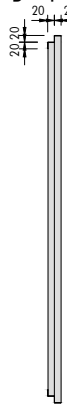
METAL Wallcoustic Element



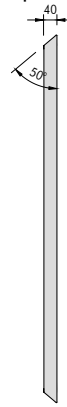
90° edge option



20 x 20 mm edge option



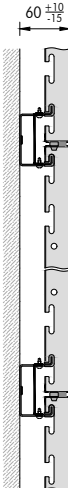
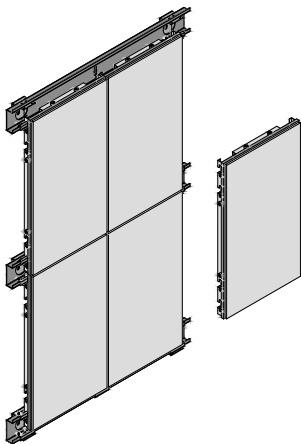
50° edge option



Wall absorbers

Material	post-coated galvanised steel 0.7 mm
Edge detail	90°, 20 x 20 mm, 50° option delivered with two reinforcement profiles inside
Dimensions	length (A) 600 - 1800 mm / width (B) 600 - 1200 mm
Panel size	max. 2.16 m ²
Suspension system	
Standard	wall hanging kit, 4 pcs/wall absorber needed
Features	Rg 2516 perforated rear cover

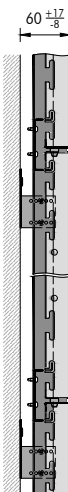
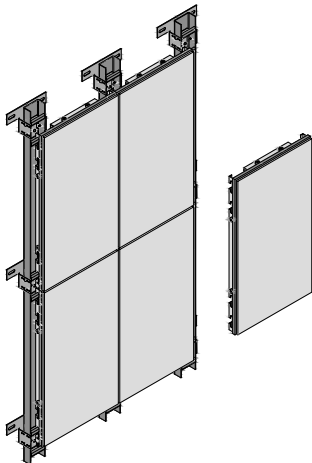
METAL Wallcoustic Horizon 1000



Panels

Material	post-coated galvanised steel 1.0 mm
Edge detail	square edged hook-on with 5 mm gasket and spacers on long and short edge
Dimensions	panel type A upright: length (A) 600 - 1300 mm with 4 suspension points panel type B upright: length (A) 1301 - 2500 mm with 6 suspension points panel type C upright: length (A) 2501 - 3000 mm with 8 suspension points panel type D reclined: length (A) 600 - 2000 mm with 4 suspension points width (B) 250 - 1000 mm
Panel size	max. 3 m ²
Suspension system	
Standard	C-Wall Profile
Features	perimeter, corner, connection details to doors and windows, etc. on request

METAL Wallcoustic Horizon 1100

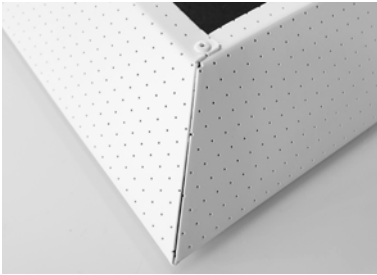
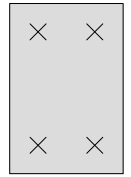
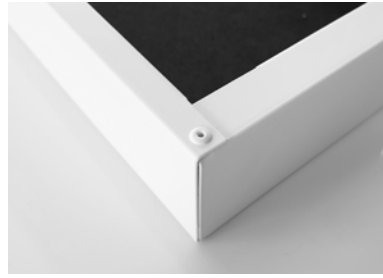


Panels

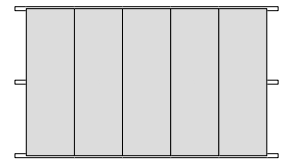
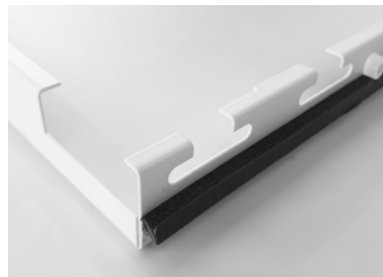
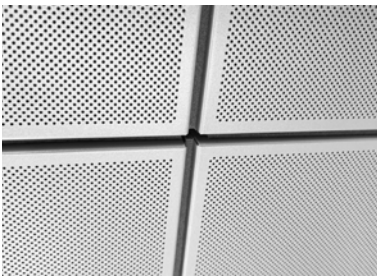
Material	post-coated galvanised steel 1.0 mm
Edge detail	square edged hook-on with 5 mm gasket and spacers on long and short edge
Dimensions	panel type A upright: length (A) 600 - 1300 mm with 4 suspension points panel type B upright: length (A) 1301 - 2500 mm with 6 suspension points panel type C upright: length (A) 2501 - 3000 mm with 8 suspension points panel type D reclined: length (A) 600 - 2000 mm with 4 suspension points width (B) 250 - 1000 mm
Panel size	max. 3 m ²
Suspension system	
Standard	U-Wall Profile
Features	perimeter, corner, connection details to doors and windows, etc. on request

METAL Wallcoustic Element, Wallcoustic Horizon 1000, Wallcoustic Horizon 1100

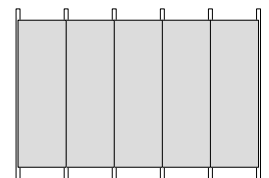
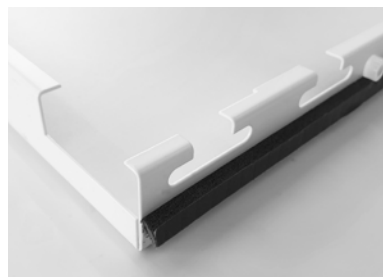
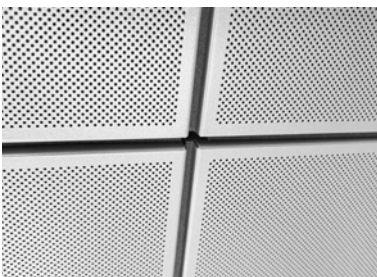
METAL Wallcoustic Element



METAL Wallcoustic Horizon 1000



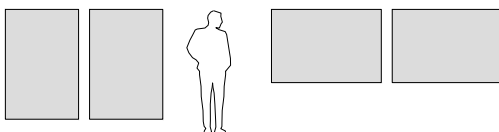
METAL Wallcoustic Horizon 1100



Panel orientation for METAL Sonic Element

Portrait orientation

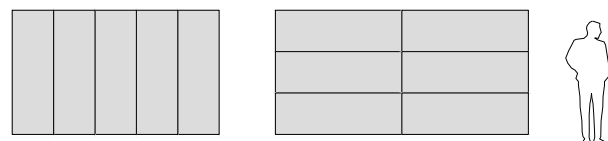
Landscape orientation



Panel orientation for METAL Wallcoustic Horizon 1000 / METAL Wallcoustic Horizon 1100

Portrait orientation

Landscape orientation



	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 Wallcoustic Element	■	■	■	■	■	■	■	■	■									
METAL Wallcoustic Horizon 1000	■			■	■	■	■	■	■									
METAL Wallcoustic Horizon 1100	■			■	■	■	■	■	■									

* 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 - 26 kg/m² Weight varies depending on the perforation and acoustic infill.																																																																																																																																																								
Acoustics	<p>Values for continuous solutions METAL Wallcoustic Horizon 1000, METAL Wallcoustic Horizon 1100</p> <table border="1"> <thead> <tr> <th rowspan="2">α_w</th> <th rowspan="2">Cavity [mm]</th> <th rowspan="2">Class</th> <th colspan="6">EN ISO 354</th> <th rowspan="2">NRC</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>Rd 1522 + VLSRX</td> <td>0.40(MH)</td> <td>60</td> <td>D</td> <td>0.05</td> <td>0.15</td> <td>0.35</td> <td>0.65</td> <td>0.75</td> <td>0.55</td> <td>0.45</td> </tr> <tr> <td>Rg 2516 + VLSRX</td> <td>0.45(MH)</td> <td>60</td> <td>D</td> <td>0.05</td> <td>0.15</td> <td>0.45</td> <td>0.85</td> <td>0.90</td> <td>0.65</td> <td>0.60</td> </tr> </tbody> </table> <p>α_w: as per EN ISO 11654 / NRC: as per ASTM C 423-01</p> <p>Values for single wall absorbers METAL Wallcoustic Element</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">Wall absorber dimensions</th> <th rowspan="2">Sabines</th> <th rowspan="2">Cavity (C) [mm]</th> <th colspan="6">EN ISO 354</th> </tr> <tr> <th>Length (A) [mm]</th> <th>Width (B) [mm]</th> <th>Height (H) [mm]</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Rg 0701 + VLSRX</td> <td>1200</td> <td>1200</td> <td>40</td> <td>0.85</td> <td>50</td> <td>0.15</td> <td>0.40</td> <td>0.85</td> <td>1.00</td> <td>0.95</td> <td>0.60</td> </tr> <tr> <td>1800</td> <td>1200</td> <td>40</td> <td>1.17</td> <td>50</td> <td>0.25</td> <td>0.60</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td>0.95</td> </tr> <tr> <td rowspan="2">Rg 0704 + VLSRX</td> <td>1200</td> <td>1200</td> <td>40</td> <td>0.97</td> <td>50</td> <td>0.10</td> <td>0.35</td> <td>0.75</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>1800</td> <td>1200</td> <td>40</td> <td>1.36</td> <td>50</td> <td>0.20</td> <td>0.45</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td rowspan="2">Rd 1522 + VLSRX</td> <td>1200</td> <td>1200</td> <td>40</td> <td>0.83</td> <td>50</td> <td>0.10</td> <td>0.15</td> <td>0.45</td> <td>1.00</td> <td>1.00</td> <td>0.95</td> </tr> <tr> <td>1800</td> <td>1200</td> <td>40</td> <td>1.15</td> <td>50</td> <td>0.10</td> <td>0.20</td> <td>0.55</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td rowspan="2">Rg 2516 + VLSRX</td> <td>1200</td> <td>1200</td> <td>40</td> <td>0.98</td> <td>50</td> <td>0.10</td> <td>0.25</td> <td>0.60</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>1800</td> <td>1200</td> <td>40</td> <td>1.37</td> <td>50</td> <td>0.15</td> <td>0.35</td> <td>0.80</td> <td>1.00</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table>	α _w	Cavity [mm]	Class	EN ISO 354						NRC	125	250	500	1000	2000	4000	Rd 1522 + VLSRX	0.40(MH)	60	D	0.05	0.15	0.35	0.65	0.75	0.55	0.45	Rg 2516 + VLSRX	0.45(MH)	60	D	0.05	0.15	0.45	0.85	0.90	0.65	0.60		Wall absorber dimensions			Sabines	Cavity (C) [mm]	EN ISO 354						Length (A) [mm]	Width (B) [mm]	Height (H) [mm]	125	250	500	1000	2000	4000	Rg 0701 + VLSRX	1200	1200	40	0.85	50	0.15	0.40	0.85	1.00	0.95	0.60	1800	1200	40	1.17	50	0.25	0.60	1.00	1.00	1.00	0.95	Rg 0704 + VLSRX	1200	1200	40	0.97	50	0.10	0.35	0.75	1.00	1.00	1.00	1800	1200	40	1.36	50	0.20	0.45	1.00	1.00	1.00	1.00	Rd 1522 + VLSRX	1200	1200	40	0.83	50	0.10	0.15	0.45	1.00	1.00	0.95	1800	1200	40	1.15	50	0.10	0.20	0.55	1.00	1.00	1.00	Rg 2516 + VLSRX	1200	1200	40	0.98	50	0.10	0.25	0.60	1.00	1.00	1.00	1800	1200	40	1.37	50	0.15	0.35	0.80	1.00	1.00	1.00	
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Light reflectance	<p>RAL 9010 unperforated: 85%; RAL 9010 Rd 1522: 66%;</p>	<p>RAL 9010 Rg 0701: 83%; RAL 9010 Rg 2516: 73%</p> <p>RAL 9010 Rg 0704: 82%;</p>																																																																																																																																																							
Humidity resistance	90% RH																																																																																																																																																								
Indoor air quality	A+ E1 IAC Gold																																																																																																																																																								
Sustainability/Cleanability	EN ISO 14001 17.3% (2023) ISO 9001 EN 15804 cradle to cradle SILVER																																																																																																																																																								

* only for METAL Wallcoustic Element