

Metal Acoustic Solutions – Alpha 15 Infill

The **Alpha 15 infill solution** for metal ceiling tiles available in **Lay-in** and **Clip-in edge** designs is based on a 15 mm thick, low-density mineral wool board, precision-cut to fit perfectly into the metal panel without the need for adhesive. Combined with the standard **VLSRX black acoustic fleece**, this pre-assembled metal ceiling system delivers excellent acoustic performance while preserving the durability and appearance of a metal solution.

Key product benefits:



Sound Absorption Class A

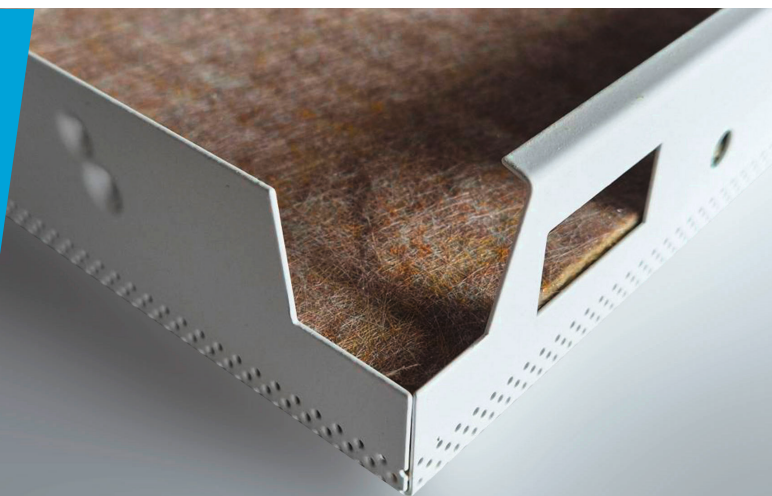


Fire-Reaction Performance A2-s1, d0*



Easy and quick to cut, install and maintain

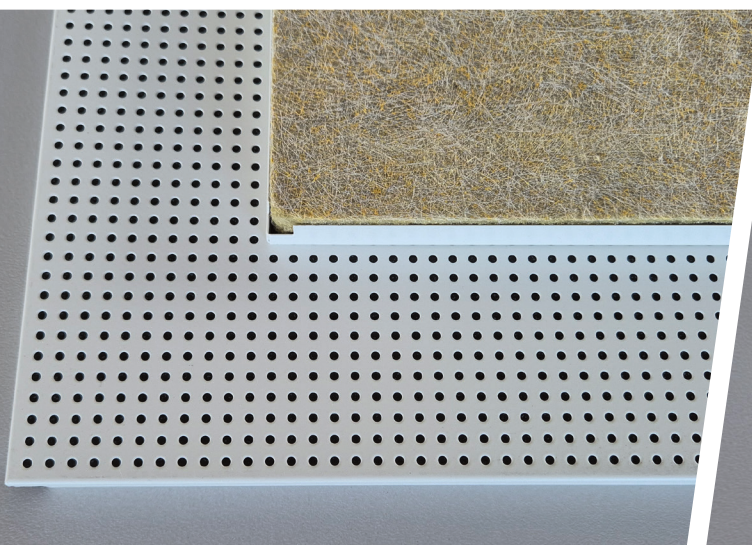
*for standard and microperforation (up to 22% open area)



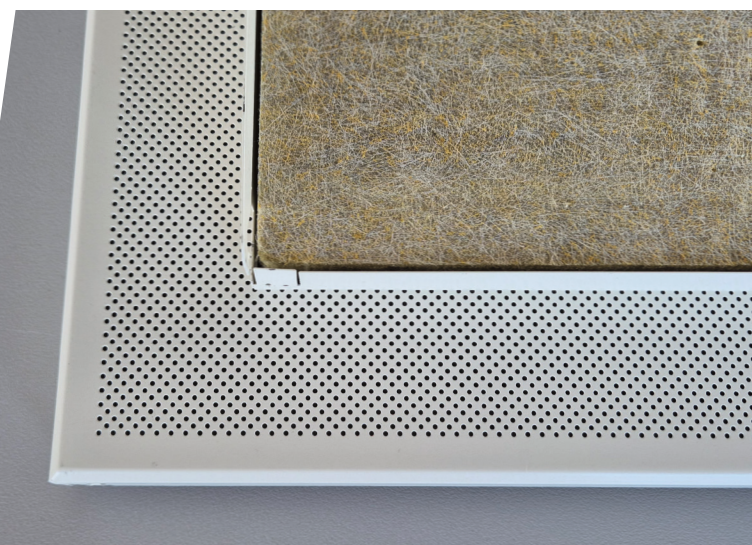
Available edge designs

Lay-in (Board, MicroLook 8)

Clip-in (Q-Clip, Q-Clip F, T-Clip F)



METAL Board with Alpha 15 perforated Rg 2516



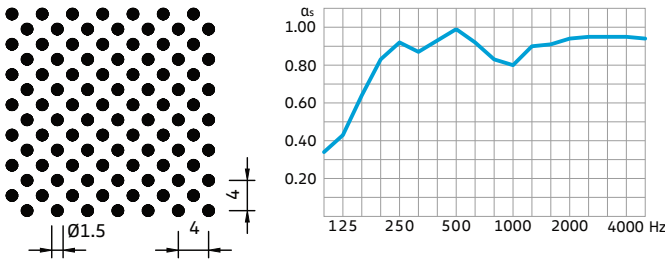
METAL Q-Clip F with Alpha 15 perforated Rd 1522

Characteristics	Detailed Information		
Dimensions (mm)	Module size (mm)		
	600 x 600	625 x 625	1200 x 600
	METAL Board	■	■
	METAL MicroLook 8	■	
	METAL Q-Clip	■	■
	METAL Q-Clip F	■	■
METAL T-Clip F	■		■
Weight	5.4 - 6.2 kg/m ² Weight varies depending on the perforation and acoustic infill		
Fire reaction	Perforated up to 22% open area: Euroclass A2-s1, d0 (EN 13501-1); Perforated >22% open area: Euroclass C-s1, d0 (EN 13501-1)		
Humidity resistance	90% RH		
Indoor air quality	 A+	 E1	

Perforations & Acoustic Performance

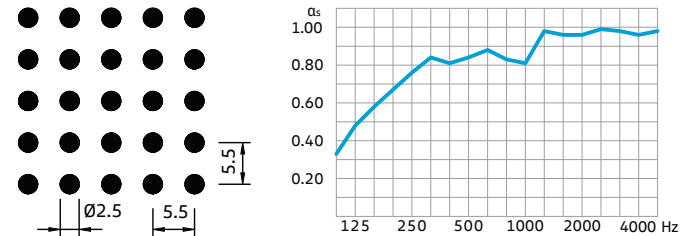
Rd 1522 Microperforation

22% open area, unperforated border



Rg 2516 Standard Perforation

16% open area, unperforated border



Acoustic values

Perforation	Acoustic infill	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				
Rd 1522	Alpha 15	0.95	200	A	0.45	0.85	0.95	0.85	0.95	0.95	0.90	27	14	29
Rg 2516	Alpha 15	0.90	200	A	0.45	0.75	0.85	0.85	0.95	0.95	0.85	29	14	30
Rg 1821	Alpha 15	0.90	200	A	0.45	0.85	0.90	0.80	0.90	0.90	0.90	27	14	28
Qg 4025	Alpha 15	0.90	200	A	0.50	0.85	0.95	0.85	0.90	0.95	0.90	-	-	-
Qg 8043	Alpha 15	0.95	200	A	0.45	0.85	1.00	0.85	0.95	0.95	0.90	-	-	-
Qg 10565	Alpha 15	0.95	200	A	0.50	0.85	0.95	0.85	0.95	0.95	0.90	-	-	-
Lg 25042	Alpha 15	0.90	200	A	0.45	0.85	0.95	0.85	0.90	0.90	0.90	-	-	-
Tv 26845	Alpha 15	0.90	200	A	0.45	0.85	0.90	0.80	0.90	0.85	0.90	-	-	-

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

Products may vary from country to country. Please contact your local sales representative.

For further information and legal notice, please visit our website.