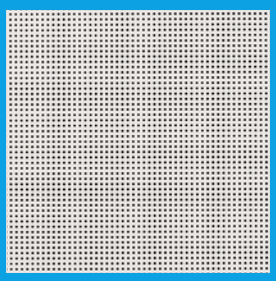
KNAUF

VARIOLINE Metal

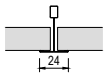
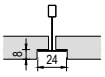
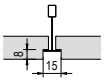
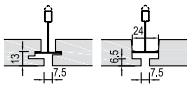
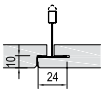
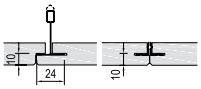


VARIOLINE Metal is a range of printed mineral ceilings that provides the capability for customised printed motifs, pictures or logos

- The laminated acoustic surface provides up to Class A sound absorption performance
- Available in a wide range of edge details to suit all design and installation needs
- Ideal for offices, foyers and retail spaces

Build on us.

VARIOLINE Metal

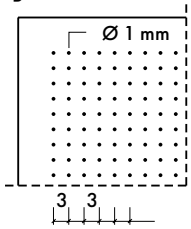
Characteristics	Detailed information					
Edge details	VARIOLINE Metal (Alpha)			VARIOLINE Metal (dB)	VARIOLINE Metal (Acoustic)	VARIOLINE Metal (HD)
	Board	Tegular 24/90	Tegular 15/90	Vector	SL2	Finesse
						
Thickness (mm)	19	19	19	24	19	19
Dimensions (mm)	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x600	600 x 600 1200 x 600	600 x 600 625 x 625 1200 x 600	On Request	600 x 600 625 x 625 1200 x 600 1250 x 625
System	Exposed demountable - System C			Semi-concealed tiles, demountable - System C	Semi-concealed planks, demountable - System I.3 (Bandraster - System I.2 / Corridor - System F.2)	Concealed, demountable - System A.2 / A.3
Weight	**3.3 kg/m²** (Board, Tegular 24/90, Tegular 15/90) **5.0 kg/m²** (SL2) **5.2 kg/m²** (Finesse) **8.6 kg/m²** (Vector)					
Colour & design	White, with printed patterns Rg 1.0-3.0, Rg 2.5-5.5, Rg 1.5-2.8D, Qg 3.0-8.5					
Sound absorption	EN ISO 354	α_w = **0.95** (Board, Tegular 24/90, Tegular 15/90) as per EN ISO 11654 - **Class A** α_w = **0.65 (H)** (Vector, SL2) as per EN ISO 11654 - **Class C** α_w = **0.90** (Finesse) as per EN ISO 11654 - **Class A**				

Frequency f (Hz)	125	250	500	1000	2000	4000
α_p Board, Tegular 24/90, Tegular 15/90	0.50	0.80	0.90	0.90	1.00	1.00
α_p Vector	0.45	0.40	0.60	0.80	0.95	1.00
α_p SL2	0.50	0.45	0.60	0.85	0.95	0.95
α_p Finesse	0.50	0.70	0.80	0.90	1.00	1.00

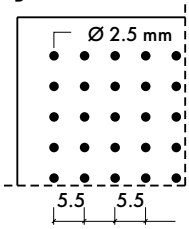
NRC = **0.90** (Board, Tegular 24/90, Tegular 15/90) as per ASTM C 423
NRC = **0.70** (Vector, SL2) as per ASTM C 423
NRC = **0.85** (Finesse) as per ASTM C 423

Sound attenuation	$D_{n,f,w}$ = **28 dB** (Board, Tegular 24/90, Tegular 15/90) as per EN ISO 717-1	CAC = **29 dB** (Board, Tegular 24/90, Tegular 15/90) as per ASTM E 413-10
	$D_{n,f,w}$ = **34 dB** (Finesse) as per EN ISO 717-1	CAC = **35 dB** (Finesse) as per ASTM E 413-10
	$D_{n,f,w}$ = **38 dB** (Vector) as per EN ISO 717-1	CAC = **39 dB** (Vector) as per ASTM E 413-10
	$D_{n,f,w}$ = **40 dB** (SL2) as per EN ISO 717-1	
Fire reaction	Euroclass **A2-s1, d0** as per EN 13501-1	
Thermal conductivity	λ = **0.040 W/mk** (Board, Tegular 24/90, Tegular 15/90) as per EN 12667 λ = **0.075 W/mk** (Vector) as per EN 12667 λ = **0.060 W/mk** (SL2, Finesse) as per EN 12667	
Air permeability	**PM1** (≤ 30 m³/hm²) as per DIN 18177	
Humidity resistance	**95% RH**	
Indoor air quality	A+	

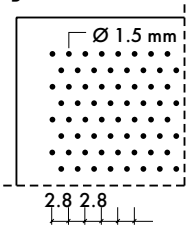
Rg 1.0-3.0



Rg 2.5-5.5



Rg 1.5-2.8D



Qg 3.0-8.5