KNAUF CEILING Solutions

DATASHEET

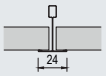
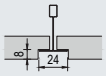
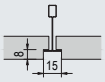
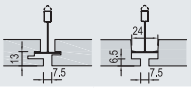
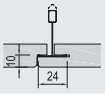
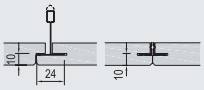
VARIOLINE Colour

- VARIOLINE Colour is a range of printed mineral ceilings that provides the capability for custom colour tiles
- 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

DATASHEET

VARIOLINE Colour

KNAUFCEILING Solutions

	VARIOLINE Colour (Alpha)			VARIOLINE Colour (dB)	VARIOLINE Colour (Acoustic)	VARIOLINE Colour (HD)
Edge details	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 x 600	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	All RAL and NCS colours are available for print					
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 $D_{n,f,w}$ = **34 dB** (Finesse) as per EN ISO 717-1 $D_{n,f,w}$ = **38 dB** (Vector) as per EN ISO 717-1 $D_{n,f,w}$ = **40 dB** (SL2) as per EN ISO 717-1
	CAC = **29 dB** (Board, Tegular 24/90, Tegular 15/90) as per ASTM E 413-10 CAC = **35 dB** (Finesse) as per ASTM E 413-10 CAC = **39 dB** (Vector) as per ASTM E 413-10
Fire reaction	Euroclass A2-s1,d0 / C-s1,d0 as per EN 13501-1 (depending on the colour)
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+

Product availability may vary from country to country. Please contact your local sales representative.
For further information and legal notice, please visit our website.