

KNAUF

METAL Solutions BIOGUARD



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BIOGUARD is designed for applications where suspended ceilings are required, and hygiene and cleanliness are of the utmost importance

- It is more effective in the control of bacteria than a standard powder coating, because it prevents the settlement of bacteria on the surface of the tile
- It gives good cleanability and resistance to disinfectants as well as cleanroom performance
- A wide range of edge details, modules and sizes is available, suitable for rooms and corridors
- One of the most durable solutions among the healthcare range
- Clean room class ISO 1 for METAL Board and METAL Tegular
- Good sound attenuation for increased confidentiality: 34dB

Build on us.

Characteristics	Detailed information							
Edge details		Various edge details are available for lay-in, clip-in, hook-on, and corridors						
Thickness (mm)		0.5 - 0.7 depending on the selected system						
Dimensions (mm)		Standard modules: 600 x 600, 625 x 625, 1200 x 600, depending on selected system. Additional sizes on request. Vario Design range: Panels up to 3300 length. See metal brochure for more detailed information.						
System		Various exposed and concealed grid options						
Weight		3.9 - 7.8 kg/m² Weight varies depending on the selected system and product size.						
Colour				Further RAL and NCS colours available on request.				
Perforations		Unperforated						
Sound absorption		EN ISO 354	$\alpha_w = 0.10$ (L) (unperforated) as per EN ISO 11654 - Class NC					
		Frequency f (Hz)	125	250	500	1000	2000	4000
		α_p Unperforated	0.40	0.20	0.10	0.10	0.10	0.15
		NRC = 0.15 (unperforated) as per ASTM C 423						
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 34$ dB (unperforated) as per EN ISO 717-1 $CAC = 35$ dB (unperforated) as per ASTM E 413-10						
Sound reduction		EN ISO 10140-2 $R_w = 19$ dB (unperforated) as per EN ISO 717-1						
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1						
Light reflectance		87% (RAL 9010)						
Humidity resistance		90% RH						
Clean room		Class ISO 1 for METAL Board 600 x 600 mm / METAL Tegular 600 x 600 mm						
Indoor air quality								
Cleanability								
Sustainability			17.3% (2023)					