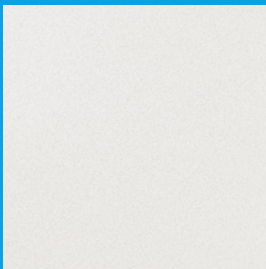


KNAUF

Armstrong PERLA



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Armstrong PERLA is a C2C Bronze certified range with a smooth laminated finish providing balanced acoustic performance of both sound absorption and sound attenuation

- Good sound absorption (0.65(H) α_w) and sound attenuation (36 dB)
- Excellent light reflectance (88%)
- ISO 5
- Ideal for office and learning applications

Build on us.

Characteristics		Detailed information						
Edge details Additional edge details on request		Board 	Tegular 24 	Tegular 15 				
Thickness (mm)		17	17	17				
Dimensions (mm)		600 x 600	600 x 600	600 x 600				
System		Exposed demountable - System C						
Weight		4.6 kg / m ²						
Colour		 White						
Sound absorption		EN ISO 354 $\alpha_w = 0.65(H)$ as per EN ISO 11654 - Class C						
		Frequency f (Hz)	125	250	500	1000	2000	4000
		α_p	0.40	0.45	0.60	0.80	0.90	0.90
NRC = 0.70 as per ASTM C 423								
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 36 \text{ dB}$ as per EN ISO 717-1		CAC = 37 dB as per ASTM E 413-10				
Sound reduction		EN ISO 10140-2 $R_w = 18 \text{ dB}$ as per EN ISO 717-1						
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1						
Light reflectance		88%						
Thermal conductivity		$\lambda = 0.060 \text{ W/mk}$ as per EN 12667						
Air permeability		PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177						
Humidity resistance		95% RH						
Clean room		ISO 5 as per EN ISO 14644-1						
Indoor air quality		 A+	 E1	 IACG				
Cleanability								
Sustainability		 31.8 % (2023)	 EN 15804	 EN 12720:2008 Annex G	 M1	 www.blauer-engel.de/uz132		