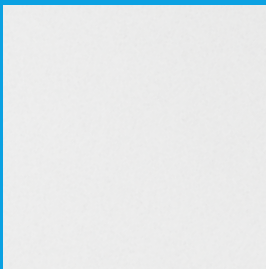


KNAUF

AMF THERMATEX® Alpha One



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AMF THERMATEX® Alpha One offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption

- Excellent sound absorption ($1.00 \alpha_w$)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

Build on us.

Characteristics		Detailed information							
Edge details		Board 	Tegular 24/90 				Taular 15/90 		
Thickness (mm)		24	24				24		
Dimensions (mm)		600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600				600 x 600 625 x 625 1200 x 600		
System		Exposed demountable - System C							
Weight		4.0 kg / m²							
Colour		 White							
Sound absorption		EN ISO 354	$\alpha_w = 1.00$ as per EN ISO 11654 - Class A						
		Frequency f (Hz)	125	250	500	1000	2000	4000	
		α_p	0.55	0.85	1.00	0.95	1.00	1.00	
		NRC = 1.00 as per ASTM C 423							
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 29 \text{ dB}$ as per EN ISO 717-1							
Sound reduction		EN ISO 10140-2 $R_w = 17 \text{ dB}$ as per EN ISO 717-1							
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84							
Light reflectance		88%							
Thermal conductivity		$\lambda = 0.040 \text{ W/mk}$ 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 4 as per EN ISO 14644-1							
Indoor air quality		 A+	 E1	 IACG					
Cleanability / Sustainability				 50.8% (2023)	 EN 15804	 EC 12732/2009 Annex G	 EMISSION CLASS FOR BUILDING MATERIALS	 certified cradle to cradle bronze	 www.blauer-engel.de/uz132