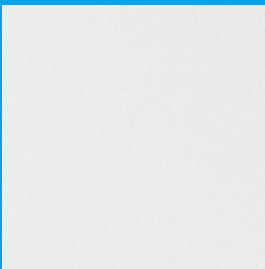


KNAUF

HYGENA Alpha


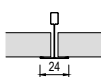
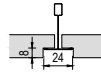
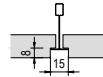


























© McAteer

HYGENA Alpha offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption. The surface is washable and antimicrobial.

- Limits the growth bacteria and fungi
- Cleanable with dry and damp cloth
- White appearance and excellent acoustics with Class A level
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Ideal for healthcare facilities, food industry, laboratories, etc.

Build on us.

Characteristics	Detailed information								
Edge details		Board 	Tegular 24/90 		Tegular 15/90 				
Thickness (mm)		19	19		19				
Dimensions (mm)		600 x 600 610 x 610 625 x 625 1200 x 600 1220 x 610 1250 x 625	600 x 600 610 x 610 625 x 625		600 x 600 610 x 610 625 x 625				
System		Exposed demountable - System C							
Weight		3.3 kg / m²							
Colour		 White							
Sound absorption		EN ISO 354		$\alpha_w = 0.95$ as per EN ISO 11654 - Class A					
		Frequency f (Hz)		125	250	500	1000	2000	4000
		α_p		0.50	0.80	0.90	0.90	1.00	1.00
		NRC = 0.90 as per ASTM C 423							
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 28 \text{ dB}$ as per EN ISO 717-1		CAC = 29 dB as per ASTM E 413-10					
Sound reduction		EN ISO 10140-2 $R_w = 14 \text{ dB}$ 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		87%							
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							
Risk level		Zone 4 (Very High Risk) as per NF S 90-351:2013							
Microbiological Cleanliness		M1 as per NF S 90-351:2013							
Kinetics of particle decontamination		CP _(0.5) 5 as per NF S 90-351:2013							
Indoor air quality		 A+	 E1	 IACG					
Cleanability / Sustainability			 60% (2023)	 BIOSOLUBLE WOOL EC 1272/2008 Annex G					
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Candida albicans, Aspergillus brasiliensis							

In addition to risk level, each room type will have specific requirement for the cleanability and air leakage of the ceiling tile. Therefore, a tile which meets risk zone 4 requirements may not necessarily be suitable for all room types defined in risk zone 4.

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