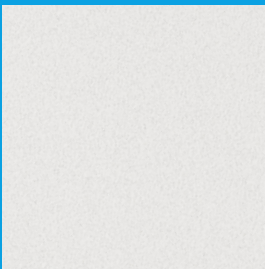


KNAUF

HYGENA Acoustic 15mm



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The laminated finish of HYGENA Acoustic creates a smooth, white appearance. It provides good levels of sound absorption and excellent sound attenuation. The surface is washable and anti-microbial.

- Limits the growth of bacteria and fungi
- Cleanable with dry and damp cloth
- Smooth, white appearance and good levels of acoustics
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Excellent light reflectance (87%)
- 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)		15	15		15					
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		2.9 kg / m²								
Colour		 White								
Sound absorption		EN ISO 354		$\alpha_w = \mathbf{0.80 (H)}$ as per EN ISO 11654 - Class B						
		Frequency f (Hz)			125	250	500	1000	2000	4000
		α_p			0.55	0.75	0.80	0.75	0.95	1.00
NRC = 0.85 as per ASTM C 423										
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = \mathbf{28 dB}$ as per EN ISO 717-1		CAC = 29 dB as per ASTM E 413-10						
Sound reduction		EN ISO 10140-2 $R_w = \mathbf{13 dB}$ 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		$\lambda = \mathbf{0.040 W/mK}$ as per EN 12667								
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		 48% (2023)	 48% (2023)	 48% (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.