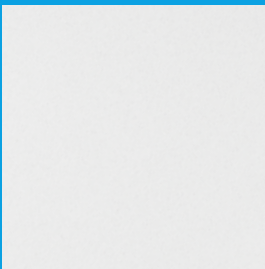


KNAUF

HYGENA Aquatec





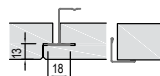


























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HYGENA Aquatec is the ideal solution for high-humidity areas of up to 100% RH. It offers excellent sound absorption, and its washable, which makes it the perfect solution for hygiene and healthcare environments. The surface is washable and anti-microbial.

- Limits the growth of bacteria and fungi
- Ideal solution for high humidity areas of up to 100% RH
- Excellent acoustics with Class A level
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Can be cleaned with high pressure device and resists to disinfectants
- ISO 3
- Ideal for healthcare environments, food industry, laboratories, treatment rooms, intensive care units, locker rooms or shower areas

Build on us.

Characteristics	Detailed information				
Edge details		Board 	Tegular 24/90 	Tegular 15/90 	Finesse 
Thickness (mm)		19	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	600 x 600 625 x 625
System		Exposed demountable - System C			Concealed, demountable - System A.2 / A.3
Weight		5.2 kg / m ²			
Colour		 White			
Sound absorption		EN ISO 354 $\alpha_w = 0.90$ as per EN ISO 11654 - Class A Frequency f (Hz) α_p NRC = 0.90 as per ASTM C 423			
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 29 \text{ dB}$ as per EN ISO 717-1 CAC = 29 dB as per ASTM E 413-10			
Sound reduction		EN ISO 10140-2 $R_w = 16 \text{ dB}$ 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		$\lambda = 0.060 \text{ W/mk}$ as per EN 12667			
Air permeability		PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177			
Humidity resistance		100% RH			
Clean room		ISO 3 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					
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Candida albicans			

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.