

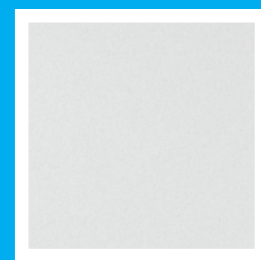


GRADED SCHOOL, Brazil,
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KNAUFCEILING
Solutions

DATASHEET

HYGENA Aquatec



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

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 Frequency f (Hz)						
			125	250	500	1000	2000	4000
		α_p	0.60	0.70	0.85	0.90	1.00	1.00
		NRC = 0.90 as per ASTM C 423						
		α_w = 0.90 as per EN ISO 11654 - Class A						
Sound attenuation		EN ISO 10848-2 $D_{n,f,w}$ = 29 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 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		λ = 0.060 W/mk as per EN 12667						
Air permeability		PM1 (≤ 30 m ³ /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								
Cleanability								
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Candida albicans						
Sustainability								
		52%						

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 our website.