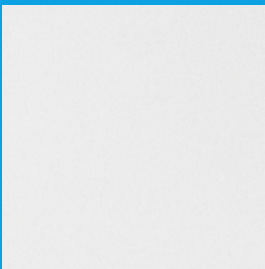


KNAUF

MEDIGUARD Alpha



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MEDIGUARD Alpha has a superior anti-microbial resistance. Suitable for healthcare applications demanding Class A sound absorption and rigorous cleaning methods, it is scrubbable, can be cleaned with steam and is both scratch resistant and water repellent.

- Water repellent
- Scratch resistant
- Limit growth of extended scope of bacteria & fungi
- Resistant to disinfectants, it can be scrubbed and cleaned with steam
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Excellent acoustics with Class A level
- ISO 3
- Excellent light reflectance (88%)
- 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)		20	20	20				
Dimensions (mm)		600 x 600 1200 x 600	600 x 600	600 x 600				
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	0.60	0.85	0.90	0.90	1.00	1.00
		NRC = 0.95 as per ASTM C 423						
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 25$ dB as per EN ISO 717-1		CAC = 25 dB as per ASTM E 413-10				
Sound reduction		EN ISO 10140-2 $R_w = 12$ 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		$\lambda = 0.040$ W/mK as per EN 12667						
Humidity resistance		95% 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								
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Bacillus cereus, Streptococcus pneumoniae, Acinobacter baumannii, Klebsiella pneumoniae, Candida albicans, Aspergillus brasiliensis						
Sustainability		 74% (2023)	 EC 1272/2008 Annex G					

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.