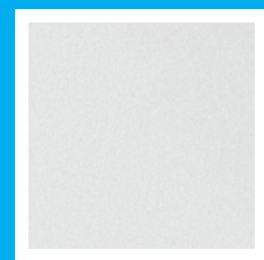




PL Health Dept., Jan Kochanowski University of Humanities & Sciences, Kielce, © Szymon Polatnicki

KNAUFCEILING
Solutions

DATASHEET MEDIGUARD Alpha



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.

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YOUR **CEILING**
OUR **SOLUTIONS**

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 / m ²						
Colour		 White						
Sound absorption		EN ISO 354 $\alpha_w = 0.95$ as per EN ISO 11654 - Class A						
		Frequency <i>f</i> (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					
Cleanability								
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Bacillus cereus, Streptococcus pneumoniae, Acinobacter baumannii, Klebsiella pneumoniae, Candida albicans, Aspergillus brasiliensis						
Sustainability		 EN ISO 14021 74%	 BIOSOLUBLE WOOL 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.

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