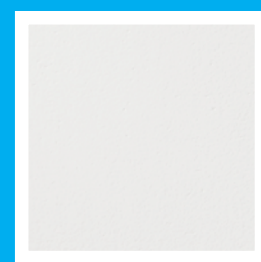




SK LUVN SNP Hospital, Ruzomberok
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KNAUFCEILING
Solutions

DATASHEET MEDIGUARD Plain



MEDIGUARD Plain combines good cleanability alongside superior anti-microbial resistance, making it an ideal solution for healthcare environments.

- Water repellent
- Scratch resistant
- Limit growth of extended scope of bacteria & fungi
- Resistant to disinfectants and can be cleaned with dry, damp and wet cloth
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- ISO 4
- Excellent light reflectance (88%)
- Ideal for healthcare environments and laboratories

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

DATASHEET
MEDIGUARD Plain

Edge details		Board 	Tegular 24 	Tegular 15 				
Thickness (mm)		15	15	15				
Dimensions (mm)		600 x 600 1200 x 600	600 x 600	600 x 600				
System		Exposed demountable - System C						
Weight		3.6 kg / m ²						
Colour		 White						
Sound absorption		EN ISO 354 $\alpha_w = \mathbf{0.20 (L)}$ as per EN ISO 11654 - Class E						
		Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000
		α_p	0.40	0.25	0.15	0.15	0.20	0.30
		NRC = 0.20 as per ASTM C 423						
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = \mathbf{35 dB}$ as per EN ISO 717-1						
		CAC = 35 dB as per ASTM E 413-10						
Sound reduction		EN ISO 10140-2 $R_w = \mathbf{19 dB}$ 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		$\lambda = \mathbf{0.060 W/mk}$ as per EN 12667						
Air permeability		PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177						
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								
Cleanability								
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Bacillus cereus, Streptococcus pneumoniae, Acinobacter baumannii, Klebsiella pneumoniae, Candida albicans, Aspergillus brasiliensis						
Sustainability								

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.