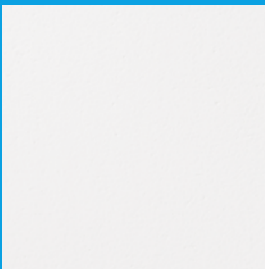


# ***KNAUF***

## ***HYGENA Plain***



© Rendering

HYGENA Plain offers a white, smooth surface that creates an elegant ceiling appearance and provides excellent light reflection. The surface is washable and anti-microbial.

- Limits the growth of bacteria and fungi
- Cleanable with dry and damp cloth
- White, smooth surface that provides excellent light reflection
- Complies with Zone 4 risk requirements according to NF S 90-351:2013
- Ideal for healthcare environments and laboratories

***Build on us.***

Characteristics		Detailed information						
Edge details		<b>Board</b> 	<b>Tegular 24</b> 	<b>Tegular 15</b> 				
Thickness (mm)		15	15	15				
Dimensions (mm)		600 x 600 610 x 610 1200 x 600 1220 x 610	600 x 600	600 x 600				
System		Exposed demountable - System C						
Weight		<b>3.8 kg / m<sup>2</sup></b>						
Colour		 White						
Sound absorption		EN ISO 354 $\alpha_w = 0.20$ (L) as per EN ISO 11654 - <b>Class E</b>						
		Frequency f (Hz)	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>
		$\alpha_p$	0.45	0.25	0.15	0.15	0.20	0.25
		NRC = <b>0.20</b> as per ASTM C 423						
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 34$ dB as per EN ISO 717-1		CAC = <b>36 dB</b> as per ASTM E 413-10				
Sound reduction		EN ISO 10140-2 $R_w = 21$ dB as per EN ISO 717-1						
Fire reaction		Euroclass <b>A2-s1, d0</b> as per EN 13501-1 <b>Class A</b> as per ASTM E 84						
Light reflectance		<b>87%</b>						
Thermal conductivity		$\lambda = 0.060$ W/mK as per EN 12667						
Air permeability		<b>PM1</b> ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177						
Humidity resistance		<b>95% RH</b>						
Clean room		<b>ISO 4</b> as per EN ISO 14644-1						
Risk level		<b>Zone 4</b> (Very High Risk) as per NF S 90-351:2013						
Microbiological Cleanliness		<b>M1</b> as per NF S 90-351:2013						
Kinetics of particle decontamination		<b>CP<sub>(0.5)</sub> 5</b> as per NF S 90-351:2013						
Indoor air quality		 A+	 E1	 IACG				
Cleanability / Sustainability			 26% (2023)	 EC 1272/2008 Annex G				
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Candida albicans, Aspergillus brasiliensis						

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.