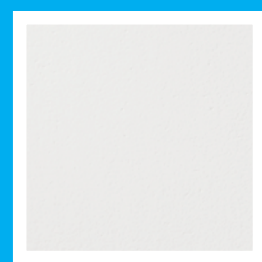




**KNAUF**CEILING  
Solutions

## DATASHEET

# HYGENA Schlicht



HYGENA Schlicht 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

Edge details		Board 														
Thickness (mm)		15														
Dimensions (mm)		625 x 625 1250 x 625														
System		Exposed demountable - System C														
Weight		3.8 kg / m <sup>2</sup>														
Colour		 White														
Sound absorption		EN ISO 354 $\alpha_w = \mathbf{0.20 (L)}$ as per EN ISO 11654 - <b>Class E</b> <table border="1"> <thead> <tr> <th>Frequency f (Hz)</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td><math>\alpha_p</math></td> <td>0.45</td> <td>0.25</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.25</td> </tr> </tbody> </table> NRC = <b>0.20</b> as per ASTM C 423	Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$	0.45	0.25	0.15	0.15	0.20	0.25
Frequency f (Hz)	125	250	500	1000	2000	4000										
$\alpha_p$	0.45	0.25	0.15	0.15	0.20	0.25										
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = \mathbf{34 dB}$ as per EN ISO 717-1 CAC = <b>36 dB</b> as per ASTM E 413-10														
Sound reduction		EN ISO 10140-2 $R_w = \mathbf{21 dB}$ 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		$\lambda = \mathbf{0.060 W/mk}$ as per EN 12667														
Air permeability		<b>PM1</b> ( $\leq 30 \text{ m}^3/\text{hm}^2$ ) 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														
Cleanability																
Anti-microbial characteristics		Tested against: Escherichia coli, Staphylococcus aureus, Candida albicans, Aspergillus niger														
Sustainability		 26%														

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.