

THERMATEX® Acoustic Hygena

THERMATEX® Acoustic Hygena is a 19 mm thick ceiling tile with a special anti-bacterial treatment. The “Hygena treatment” prevents a wide variety of fungi and bacteria from spreading. It ensures surface cleanliness with outstanding acoustics, achieving the best sound absorption values like all acoustic tiles. A visible, white acoustic fleece creates a smooth and elegant surface.

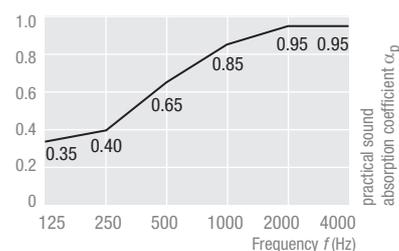


Technical Properties

Building material class	A2-s1, d0 as per EN 13501-1
Fire resistance	F30 - F120 as per DIN 4102 part 2 (as per test certificate) REI30 - REI120 per EN 13501 part 2 (as per test certificate)
Sound absorption	EN ISO 354 $\alpha_w = 0.65(H)$ as per EN ISO 11654 $NRC = 0.70$ as per ASTM C 423
Sound attenuation	$D_{n,f,w} = 38$ dB as per EN ISO 10848 (19 mm thickness, as per test certificate) $D_{n,f,w} = 40$ dB as per EN ISO 10848 (in semi-concealed system, as per test certificate)
Humidity resistance	up to 95% relative humidity
Light reflection	for white similar to RAL 9010 glare-free approx. 88%
Thermal conductivity	$\lambda = 0.052-0.57$ W/mK as per DIN 52612
Air permeability	PM1 (≤ 30 m ³ /hm ²) as per DIN 18177
Hygiene	prevents bacteria and fungi
Clean room classification	class 4 as per ISO 14644-1
Colour	white similar to RAL 9010

System **C** Exposed system, tiles demountable

Sound absorption values



Available sizes and edges	Thickness/weight 19 mm (approx. 4.6 kg/m ²)	
	System C	SK
Please note minimum quantities and lead times		
600 x 600 mm	•	
625 x 625 mm	•	