



100%  
RH

# THERMATEX® Aquatec Hygena

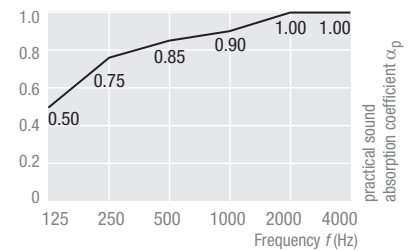
THERMATEX® Aquatec Hygena is the optimum solution for rooms with high humidity. Due to its special composition it is humidity resistant up to 100% RH. This means it is permanently form stable, even with constant humidity and temperatures from 0 to 40°C. In addition, it also displays excellent sound absorption performance. Its washable surface and discreet, high quality design make it the ideal solution for hygiene areas.



## Technical Properties

<b>Building material class</b>	A2-s1, d0 as per EN 13501-1
<b>Fire resistance</b>	F30 - F120 as per DIN 4102 part 2 (as per test certificate) REI30 - REI120 per EN 13501 part 2 (as per test certificate)
<b>Sound absorption</b>	EN ISO 354 $\alpha_w = 0.90$ as per EN ISO 11654 $NRC = 0.90$ as per ASTM C 423
<b>Sound attenuation</b>	$D_{n,f,w} = 28$ dB as per EN ISO 10848 (19 mm thickness, as per test certificate)
<b>Humidity resistance</b>	up to 100% relative humidity
<b>Light reflection</b>	for white similar to RAL 9010 glare-free approx. 88%
<b>Thermal conductivity</b>	$\lambda = 0.040$ W/mK as per DIN EN 12667
<b>Air permeability</b>	PM1 ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177
<b>Hygiene</b>	prevents bacteria and fungi
<b>Clean room classification</b>	class 3 as per ISO 14644-1
<b>Colour</b>	white similar to RAL 9010
<b>NFS 90-351:2013</b>	zone 4 bacteriological purity class: M1 decontamination class: CP <sub>(0,5)</sub> 5

## Sound absorption values



System **A** Concealed system, tiles demountable

System **C** Exposed system, tiles demountable

Available sizes and edges	Thickness/weight 19 mm (approx. 5.2 kg/m <sup>2</sup> )		
	System <b>C</b>		System <b>A</b>
	SK	VT-S 15/24	AW/GN
Please note minimum quantities and lead times			
600 x 600 mm	•	•	•
625 x 625 mm	•	•	•