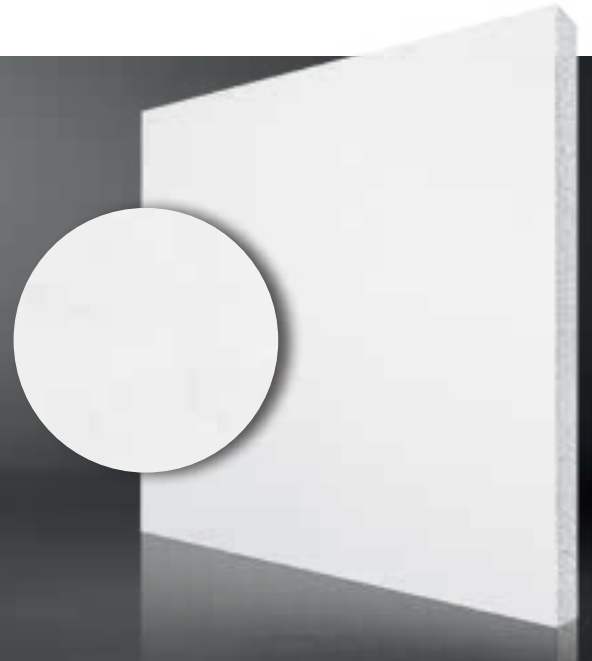




# THERMATEX<sup>®</sup> Acoustic

## $D_{n,f,w}$ bis 40 dB

The mineral tile THERMATEX<sup>®</sup> Acoustic achieves high sound absorption values and good sound attenuation. The design of the visible acoustic fleece provides a striking, smooth and elegant surface.

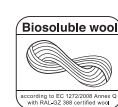
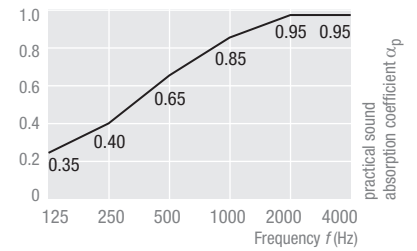


### Technical Properties

<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 $\alpha_w = 0.65(H)$ as per EN ISO 11654 $NRC = 0.70$ as per ASTM C 423
<b>Sound attenuation</b>	$D_{n,f,w} = 38$ 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)
<b>Humidity resistance</b>	up to 95% relative humidity
<b>Light reflection</b>	for white similar to RAL 9010 glare-free approx. 88%
<b>Thermal conductivity</b>	$\lambda = 0.052-0.057$ W/mK as per DIN 52612
<b>Air permeability</b>	PM1 ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177
<b>Clean room classification</b>	class 4 as per ISO 14644-1
<b>Colour</b>	white similar to RAL 9010

- System **A** Concealed system, tiles demountable / non-accessible
- System **C** Exposed system, tiles demountable
- System **F** Free span system, main runners exposed or concealed
- System **I** Parallel Bandrastrer construction, cross tees exposed or concealed

### Sound absorption values



Available sizes and edges	Thickness/weight 19 mm (approx. 4.6 kg/m <sup>2</sup> )							
	System <b>C</b>				System <b>A</b>	System <b>F I</b>		
	SK	VT 15/24	VT-S 15	VT-S 15F	AW/GN	AW/SK	GN/SK	
Please note minimum quantities and lead times								
600 x 600 mm	•	•	•	•	•	–	–	
625 x 625 mm	•	•	•	•	•	–	–	
600 x 1200 mm	•	•	•	•	•	–	–	
625 x 1250 mm	•	•	•	•	•	–	–	
300 x 1200 - 2500 mm	–	–	–	–	–	•	•	