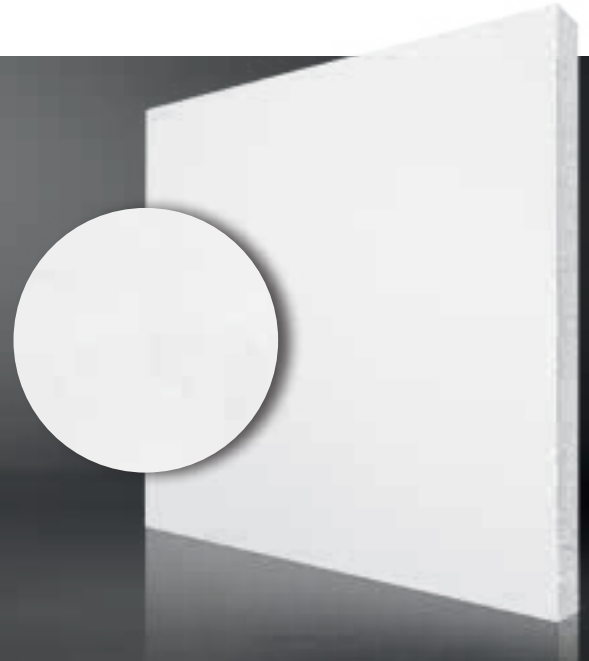




# THERMATEX<sup>®</sup> Alpha ONE

$NRC = 1.00$   $\alpha_w = 1.00$

THERMATEX<sup>®</sup> Alpha ONE is a fleece-laminated ceiling tile that achieves the highest sound absorption value and therefore creates excellent room acoustics. It is also especially form stable and light. An elegant surface is provided by the white acoustic fleece face.

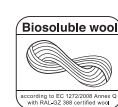
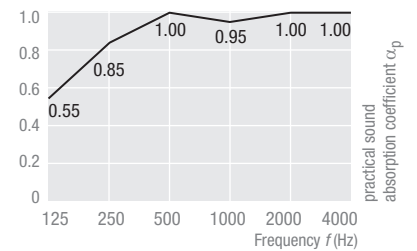


## Technical Properties

<b>Building material class</b>	A2-s1, d0 as per EN 13501-1
<b>Fire resistance</b>	F30 - F90 as per DIN 4102 part 2 (as per test certificate) REI30 - REI90 per EN 13501 part 2 (as per test certificate)
<b>Sound absorption</b>	EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 $NRC = 1.00$ as per ASTM C 423
<b>Sound attenuation</b>	$D_{n,f,w} = 29$ dB as per EN ISO 10848 (24 mm thickness, 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>	$\lambda = 0.040$ W/mK as per EN 12667
<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 **C** Exposed system, tiles demountable

## Sound absorption values



Available sizes and edges	Thickness/weight 24 mm (approx. 4.0 kg/m <sup>2</sup> )		
	System <b>C</b>		
	SK	VT-S 15/24	VT-S 15F
Please note minimum quantities and lead times			
600 x 600 mm	•	•	•
625 x 625 mm	•	•	•
600 x 1200 mm	•	•	•
625 x 1250 mm	•	•	•