

## AMF THERMATEX® Alpha One

- AMF THERMATEX® Alpha One offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption
- Excellent sound absorption (1.00  $\alpha_w$ )
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications



# AMF THERMATEX® ALPHA ONE

<b>Edge details</b> Additional edge details on request		Board 	Tegular 24/90 	Tegular 15/90 														
<b>Thickness (mm)</b>		24	24	24														
<b>Dimensions (mm)</b> Additional sizes on request		600 x 600 625 x 625	600 x 600 625 x 625	600 x 600 625 x 625														
<b>System</b>		Exposed demountable - System C																
<b>Weight</b>		4.0 kg / m <sup>2</sup>																
<b>Colour</b>		White																
<b>Sound absorption</b>		EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 - <b>Class A</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>0.55</td> <td>0.85</td> <td>1.00</td> <td>0.95</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table> NRC = <b>1.00</b> as per ASTM C 423			Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$	0.55	0.85	1.00	0.95	1.00	1.00
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$\alpha_p$	0.55	0.85	1.00	0.95	1.00	1.00												
<b>Sound attenuation</b>		EN ISO 10848-2 $D_{n,f,w} = 29$ dB as per EN ISO 717-1																
<b>Sound reduction</b>		EN ISO 10140-2 $R_w = 17$ dB as per EN ISO 717-1																
<b>Fire reaction</b>		Euroclass <b>A2-s1, d0</b> as per EN 13501-1 <b>Class A</b> as per ASTM E 84	RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ															
<b>Light reflectance</b>		<b>88%</b>																
<b>Thermal conductivity</b>		$\lambda = 0.040$ W/mk as per EN 12667																
<b>Air permeability</b>		<b>PM1</b> ( $\leq 30$ m <sup>3</sup> /hm <sup>2</sup> ) as per DIN 18177																
<b>Humidity resistance</b>		<b>95% RH</b>																
<b>Clean room</b>		<b>ISO 4</b> as per EN ISO 14644-1																
<b>Indoor air quality</b>		 A+	 E1	 IACG														
<b>Cleanability</b>																		
<b>Sustainability</b>		 43%		   <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a>														

Products may vary from country to country. Please contact your local sales representative.  
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