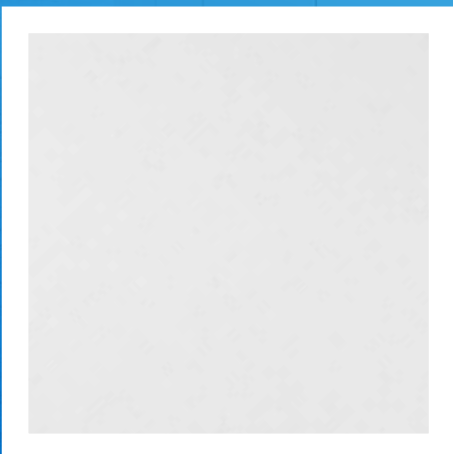




## AMF THERMATEX® dB Acoustic

- AMF THERMATEX® dB Acoustic is the ideal solution for spaces requiring excellent sound attenuation and good sound absorption. It provides a simple yet timeless design finish to any space
- Good sound absorption (0.65 (H)  $\alpha_w$ )
- Excellent sound attenuation (41 dB; 24 mm thickness)
- Excellent sound attenuation (43 dB; 30 mm thickness)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, meeting rooms, classrooms and learning applications or corridors



# AMF THERMATEX® DB ACOUSTIC

<b>Edge details</b> Additional edge details on request		Board 	Tegular 24 	Tegular 15 																												
<b>Thickness (mm)</b>		24, 30	24	24																												
<b>Dimensions (mm)</b> Additional sizes on request		600 x 600	600 x 600	600 x 600																												
<b>System</b>		Exposed demountable - System C Exposed - Bandrastrer, demountable - System I.3 Exposed - Corridor, demountable - System F.3																														
<b>Weight</b>		8.6 - 10.6 kg / m <sup>2</sup>																														
<b>Colour</b>		White																														
<b>Sound absorption</b>		<p>EN ISO 354 <math>\alpha_w = \mathbf{0.65 (H)}</math> as per EN ISO 11654 - <b>Class C</b></p> <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> Board, Tegular 24, Tegular 15</td> <td>0.40</td> <td>0.45</td> <td>0.60</td> <td>0.80</td> <td>0.95</td> <td>0.95</td> </tr> </tbody> </table> <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> Board 30 mm</td> <td>0.35</td> <td>0.40</td> <td>0.65</td> <td>0.85</td> <td>0.90</td> <td>0.95</td> </tr> </tbody> </table> <p>NRC = <b>0.70</b> as per ASTM C 423</p>			Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$ Board, Tegular 24, Tegular 15	0.40	0.45	0.60	0.80	0.95	0.95	Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$ Board 30 mm	0.35	0.40	0.65	0.85	0.90	0.95
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<b>Sound attenuation</b>		<p>EN ISO 10848-2 <math>D_{n,f,w} = \mathbf{41 dB}</math> (24 mm) as per EN ISO 717-1 <math>D_{n,f,w} = \mathbf{43 dB}</math> (30 mm) as per EN ISO 717-1</p>																														
<b>Sound reduction</b>		<p>EN ISO 10140-2 <math>R_w = \mathbf{24 dB}</math> (24 mm) as per EN ISO 717-1 <math>R_w = \mathbf{25 dB}</math> (30 mm) as per EN ISO 717-1</p>																														
<b>Fire reaction</b>		Euroclass <b>A2-s1, d0</b> as per EN 13501-1		RUS <b>KM1 (G1, V1, D1, T1)</b> as per FZ 123																												
<b>Light reflectance</b>		<b>88%</b>																														
<b>Thermal conductivity</b>		$\lambda = \mathbf{0.075 W/m K}$ as per EN 12667																														
<b>Air permeability</b>		<b>PM1</b> ( $\leq 30 \text{ m}^3/\text{hm}^2$ ) as per EN 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																													
<b>Cleanability</b>																																
<b>Sustainability</b>		 39%	 BIOSOLUBLE WOOL EC 1272/2008 Annex G	 M1 EMMISSION CLASS FOR BUILDING MATERIALS www.blauer-engel.de/uz132																												

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