

## AMF THERMATEX® Alpha HD 19mm

- AMF THERMATEX® Alpha HD 19mm offers a modern, white appearance and is the optimal solution for spaces that need a combination of excellent sound absorption and good sound attenuation
- Excellent sound absorption (SL2: 0.90  $\alpha_w$  - Finesse: 0.95  $\alpha_w$ )
- Good sound attenuation (34 dB; SL2)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and corridors



# AMF THERMATEX® ALPHA HD 19mm

<b>Edge details</b> Additional edge details on request		SL2 	Finesse 																												
<b>Thickness (mm)</b>		19	19																												
<b>Dimensions (mm)</b> Additional sizes on request		1800 x 300	600 x 600																												
<b>System</b>		Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandrastrer, demountable - System I.2 Semi-concealed - Corridor, demountable - System F.2	Concealed, demountable - System A.2 / A.3																												
<b>Weight</b>		5.2 kg / m <sup>2</sup>																													
<b>Colour</b>		White																													
<b>Sound absorption</b>		EN ISO 354 $\alpha_w = \mathbf{0.90}$ 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> SL2</td> <td>0.45</td> <td>0.70</td> <td>0.80</td> <td>0.90</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table> $\alpha_w = \mathbf{0.95}$ 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> Finesse</td> <td>0.55</td> <td>0.75</td> <td>0.85</td> <td>0.95</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table> NRC = <b>0.85</b> as per ASTM C 423		Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$ SL2	0.45	0.70	0.80	0.90	1.00	1.00	Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$ Finesse	0.55	0.75	0.85	0.95	1.00	1.00
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<b>Sound attenuation</b>		EN ISO 10848-2 $D_{n,f,w} = \mathbf{34 dB (SL2)}$ as per EN ISO 717-1	CAC = <b>35 dB (SL2)</b> as per ASTM E 413-10																												
<b>Sound reduction</b>		EN ISO 10140-2 $R_w = \mathbf{17 dB}$ 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>		$\lambda = \mathbf{0.060 W/mk}$ as per EN 12667																													
<b>Air permeability</b>		<b>PM1</b> ( $\leq 30 \text{ m}^3/\text{hm}^2$ ) 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>		EN ISO 14021 38%                  EN ISO 14025                  EC 1272/2008 Annex Q                  M1                  BLUE ANGEL THE GERMAN ECOLOGICAL LABEL <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a>																													

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