

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 α_w - Finesse: 0.95 α_w)
- Good sound attenuation (34 dB; SL2)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and corridors



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Edge details Additional edge details on request		SL2 	Finesse 																												
Thickness (mm)		19	19																												
Dimensions (mm) Additional sizes on request		1800 x 300	600 x 600																												
System		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																												
Weight		5.2 kg / m ²																													
Colour		White																													
Sound absorption		EN ISO 354 $\alpha_w = 0.90$ as per EN ISO 11654 - Class A <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>α_p 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> $\alpha_w = 0.95$ as per EN ISO 11654 - Class A <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>α_p 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 = 0.85 as per ASTM C 423		Frequency f (Hz)	125	250	500	1000	2000	4000	α_p SL2	0.45	0.70	0.80	0.90	1.00	1.00	Frequency f (Hz)	125	250	500	1000	2000	4000	α_p Finesse	0.55	0.75	0.85	0.95	1.00	1.00
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Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 34 \text{ dB (SL2)}$ as per EN ISO 717-1	CAC = 35 dB (SL2) as per ASTM E 413-10																												
Sound reduction		EN ISO 10140-2 $R_w = 17 \text{ dB}$ as per EN ISO 717-1																													
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1 Class A as per ASTM E 84	RUS KM1 (G1, V1, D1, T1) as per 123-FZ																												
Light reflectance		88%																													
Thermal conductivity		$\lambda = 0.060 \text{ W/mk}$ as per EN 12667																													
Air permeability		PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177																													
Humidity resistance		95% RH																													
Clean room		ISO 4 as per EN ISO 14644-1																													
Indoor air quality		A+ E1 IACG																													
Cleanability																															
Sustainability		EN ISO 14021 38% EN ISO 14025 EC 1272/2008 Annex Q M1 BLUE ANGEL THE GERMAN ECOLOGICAL LABEL www.blauer-engel.de/uz132																													

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