



© Victor Sajara Photography

KNAUFCEILING
Solutions

DATASHEET

AMF THERMATEX® Alpha HD 35mm



- AMF THERMATEX® Alpha HD 35mm offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption and sound attenuation
- Excellent sound absorption (0.90 α_w)

- Excellent sound attenuation (42 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications

Edge details Additional edge details on request		Board 	Tegular 24/90 	Tegular 15/90 	SL2 																	
Thickness (mm)		35	35	35	35																	
Dimensions (mm)		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600 1250 x 625 1350 x 300 1350 x 600	1350 x 300 1350 x 600 1500 x 300 1800 x 300 2000 x 300																	
System		Exposed demountable - System C		Exposed, demountable - System C Exposed - Bandrastrer, demountable - System I.3 Exposed - Corridor, demountable - System F.3		Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandrastrer, demountable - System I.2 Semi-concealed planks - Corridor, demountable - System F.2																
Weight		9.5 kg / m ²																				
Colour		 White																				
Sound absorption		EN ISO 354 $\alpha_w = 0.90$ as per EN ISO 11654 - Class A <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">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 style="text-align: left;">α_p</td> <td>0.40</td> <td>0.65</td> <td>0.85</td> <td>1.00</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	0.40	0.65	0.85	1.00	1.00	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000																
α_p	0.40	0.65	0.85	1.00	1.00	1.00																
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 42$ dB as per EN ISO 717-1 CAC = 44 dB as per ASTM E 413-10																				
Sound reduction		EN ISO 10140-2 $R_w = 25$ dB as per EN ISO 717-1																				
Fire reaction		Euroclass A2-s1, d0 as per EN 13501-1																				
Light reflectance		88%																				
Thermal conductivity		$\lambda = 0.060$ W/mk as per EN 12667																				
Air permeability		PM1 (≤ 30 m ³ /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																			
Cleanability																						
Sustainability		 50.4%		 EC 1272/2008 Annex G		 www.blauer-engel.de/uz132																

Product availability may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.