KNAUF CEILING Solutions

DATASHEET

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 (0.90 a_w)
- Good sound attenuation (34 dB)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms, learning applications and corridors

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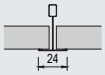
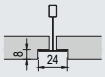
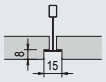
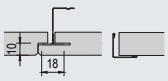
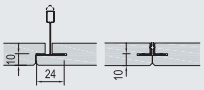
Edge details Additional edge details on request	Board	Tegular 24/90	Tegular 15/90	SL2	Finesse
					
Thickness (mm)	19	19	19	19	19
Dimensions (mm)	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1500 x 600 1800 x 600	600 x 600 625 x 625 675 x 675 1200 x 300 1200 x 600 1250 x 625 1350 x 300 1350 x 600 1500 x 600 1800 x 600	1350 x 300 1350 x 600 1500 x 300 1800 x 300 2000 x 300	600 x 600 625 x 625 1200 x 600 1250 x 625
System	Exposed demountable - System C		Exposed, demountable - System C Exposed - Bandraster, demountable - System I.3 Exposed - Corridor, demountable -System F.3	Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandraster, demountable - System I.2 Semi-concealed planks - Corridor, demountable -System F.2	Concealed,demountable - System A.2 / A.3
Weight	5.2 kg / m²				
Colour	White				

Sound absorption

EN ISO 354 — α_w = **0.90** as per EN ISO 11654 - **Class A**

Frequency f (Hz)	125	250	500	1000	2000	4000
α_p	0.50	0.70	0.80	0.90	1.00	1.00

NRC = **0.85** as per ASTM C 423

Sound attenuation

EN ISO 10848-2
$D_{n,f,w}$ = **34 dB** as per EN ISO 717-1 — CAC = **35 dB** as per ASTM E 413-10

Sound reduction

EN ISO 10140-2
R_w = **17 dB** as per EN ISO 717-1

Fire reaction

Euroclass **A2-s1, d0** as per EN 13501-1

Light reflectance

88%

Thermal conductivity

λ = **0.060 W/mk** as per EN 12667

Air permeability

PM1 (≤ 30 m³/hm²) 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

EN ISO 14021 — 49.1% — EPD EN ISO 14025 — BIOSOLUBLE WOOL EC 1272/2008 Annex Q — EMISSION CLASS FOR BUILDING MATERIALS M1 — BLUE ANGEL DER GERMAN ECO LABEL — 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.