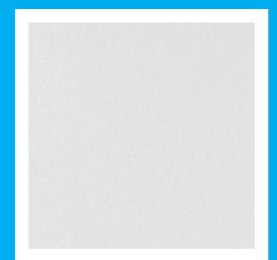




KNAUFCEILING
Solutions

DATASHEET

AMF THERMATEX[®] Acoustic



- The laminated finish of AMF THERMATEX[®] Acoustic creates a smooth, white appearance and provides good levels of sound absorption and excellent sound attenuation
- Good sound absorption (0.65 (H) α_w)
- Excellent sound attenuation (40 dB; SL2)

- High sound attenuation (38 dB; Board, Tegular 24/90, Tegular 15/90, Vector, Finesse)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for retail, offices and meeting rooms, installation rooms or production areas

Edge details Additional edge details on request		Board 	Tegular 24/90 	Tegular 15/90 	SL2 	Vector 	Finesse 	
Thickness (mm)		19	19	19	19	24	19	
Dimensions (mm)		600 x 600 625 x 625 1200 x 600 1250 x 625	600 x 600 625 x 625 1200 x 600	600 x 600 1200 x 600	1200 x 300 1500 x 300 1800 x 300 2000 x 300 2500 x 300	600 x 600 625 x 625 1200 x 600	600 x 600 625 x 625 1200 x 600 1250 x 625	
System		Exposed demountable - System C			Semi-concealed planks, demountable - System I.3 Semi-concealed planks - Bandrastrer, demountable - System I.2 Semi-concealed planks - Corridor, demountable - System F.2	Semi-concealed tiles, demountable - System C	Concealed, demountable - System A.2 / A.3	
Weight		5.0 - 8.6 kg / m ²						
Colour		 White						
Sound absorption		EN ISO 354 $\alpha_w = 0.65$ (H) as per EN ISO 11654 - Class C						
		Frequency f (Hz)	125	250	500	1000	2000	4000
		α_p Board, Tegular 24/90 Tegular 15/90, Finesse, SL2	0.50	0.45	0.60	0.85	0.95	0.95
		α_p Vector	0.45	0.40	0.60	0.80	0.90	1.00
		NRC = 0.70 as per ASTM C 423						
Sound attenuation		EN ISO 10848-2 $D_{n,f,w} = 38$ dB (Board, Tegular 24/90, Tegular 15/90, Vector, Finesse) as per EN ISO 717-1 $D_{n,f,w} = 40$ dB (SL2) as per EN ISO 717-1						
		CAC = 39 dB (Board, Tegular 24/90, Tegular 15/90, Vector, Finesse) as per ASTM E 413-10						
Sound reduction		EN ISO 10140-2 $R_w = 22$ 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						
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		 EN ISO 14021	 EN ISO 14025	 EC 1272/2008 Annex Q	 cradle to cradle BION25			
		35 - 36.9%						

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