









THERMATEX® Alpha One

Features

- THERMATEX Alpha One offers a modern, white appearance and is the optimal solution for spaces that need excellent sound absorption
- Outstanding sound absorption (NRC 1.00)
- Excellent light reflectance (88%)
- ISO 4
- Ideal for offices, classrooms and learning applications



THERMATEX® Alpha HD

	Panel Options	Board	Tegular 24/90																		
 Edge details		 24mm Grid	 24mm Grid																		
 Dimensions (mm)	600 x 600 x 24mm	207197	207200																		
	1200 x 600 x 24mm	228134	220966																		
 Suspension systems	24mm Grid																				
 Weight	4.0kg/m ²																				
 Colour	White																				
 Sound absorption	<table border="1"> <thead> <tr> <th>Thickness</th> <th>NRC</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> <th>Hz</th> </tr> </thead> <tbody> <tr> <td>24mm</td> <td>1.00</td> <td>0.55</td> <td>0.85</td> <td>1.00</td> <td>0.95</td> <td>1.00</td> <td>1.00</td> <td>α_p</td> </tr> </tbody> </table> <p>NRC = 1.00 as per ASTM C 423 & EN ISO 354</p>		Thickness	NRC	125	250	500	1000	2000	4000	Hz	24mm	1.00	0.55	0.85	1.00	0.95	1.00	1.00	α_p	 <p>α_p</p> <p>Octave Band centre frequency (Hz) Performance Per ASTM C423</p>
Thickness	NRC	125	250	500	1000	2000	4000	Hz													
24mm	1.00	0.55	0.85	1.00	0.95	1.00	1.00	α_p													
 Sound attenuation	EN ISO 10848-2 CAC 30 dB (19mm) as per EN ISO 717-1																				
 Fire resistance	Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 - Group 1, and ISO 5660 - Group 1 - S																				
 Light reflectance	88%																				
 Thermal conductivity	$\lambda = 0.40 \text{ m}^2\text{K/W}$ (19mm), $0.50 \text{ m}^2\text{K/W}$ (30 & 35mm) as per EN 12667																				
 Humidity resistance	RH95																				
 Clean room	ISO 4 as per ISO 14644-1																				
 Indoor air quality	 A+  E1  IACG	Cleanability / Durability  																			
Sustainability	 43%     																				



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