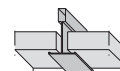


THERMATEX® Alpha HD



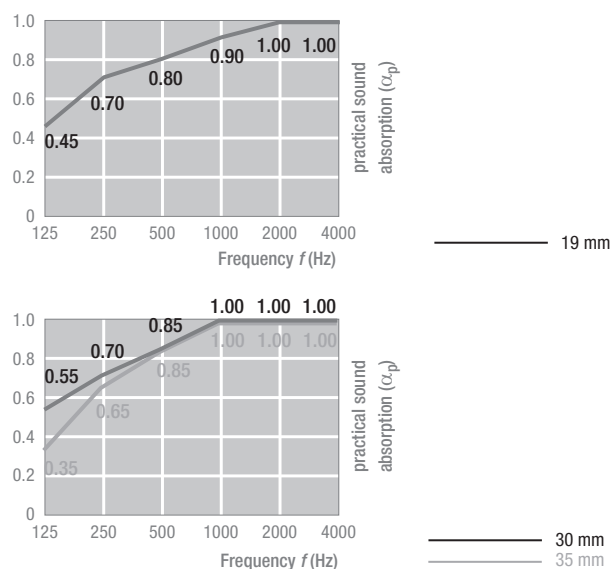
THERMATEX® Alpha HD is the extremely absorbing plank ceiling from the Knauf AMF Acoustic Range. Plank tiles up to 1800 mm long enable rooms or corridors to be equipped with high absorption whilst the material guarantees easy handling and simple installation. THERMATEX® Alpha HD is also available in square format. The elegant white acoustic fleece provides a high quality surface.

SYSTEM	■ Exposed Grid System, demountable ceiling (19 mm, 30 mm, 35 mm)
Dimensions	■ 1200 mm x 600 mm (more sizes on request)
Thickness / Weight	■ 19 mm (ca. 5,2 kg/m ²), 30 mm (ca. 8,2 kg/m ²), 35 mm (ca. 9,5 kg/m ²)
Colour	■ White similar to RAL 9010
Edge details	■ SK Others on request



TECHNICAL PERFORMANCE

Building material class	■ A2-s1,d0 as per EN 13501-1
Sound absorption	■ EN ISO 354 $\alpha_W = 0.90$ as per EN ISO 11654 (19 mm, 35 mm) $NRC = 0.85$ as per ASTM C 423-01 (19 mm, 35 mm) $\alpha_W = 0.90$ as per EN ISO 11654 (30 mm) $NRC = 0.90$ as per ASTM C 423-01 (30 mm)
Sound attenuation	■ $D_{n,f,w} = 34$ dB as per EN ISO 10848 (19 mm thickness, according to test certificate) $D_{n,f,w} = 40$ dB as per EN ISO 10848 (30 mm thickness, according to test certificate) $D_{n,f,w} = 42$ dB as per EN ISO 10848 (35 mm thickness, according to test certificate)
Light reflectance	■ up to 88%
Thermal conductivity	■ $\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Air permeability	■ PM1 (≤ 30 m ³ /hm ²) as per DIN 18177
Humidity	■ up to 95% RH



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