

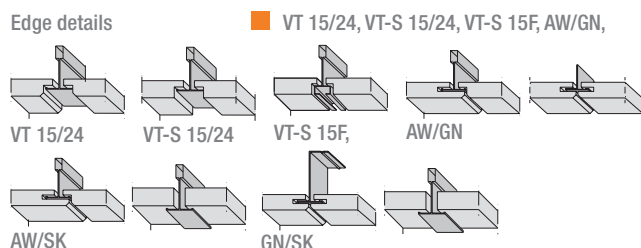


THERMATEX® Alpha HD

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.

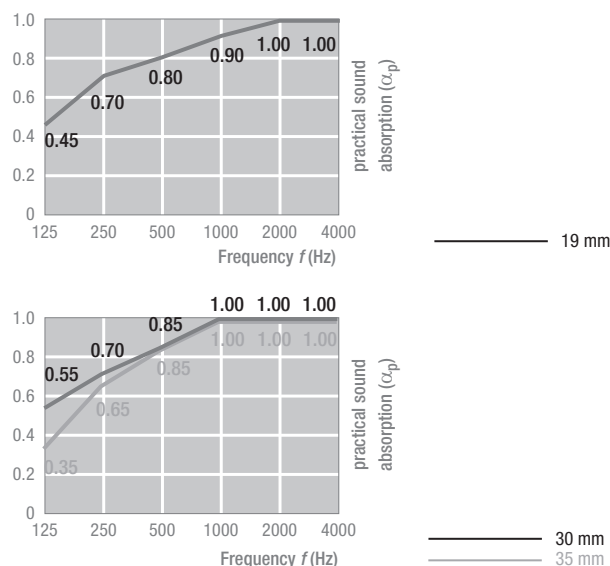


- SYSTEM**
- C** Exposed Grid System, demountable ceiling (19 mm, 30 mm, 35 mm)
 - F** Free span system, with exposed or concealed suspension (19 mm, 30 mm, 35 mm)
 - I** Bandraaster system, with exposed or concealed suspension (19 mm, 30 mm, 35 mm)
 - A** Concealed system, panels demountable / non demountable (19 mm)
- Dimensions**
- 600 x 600 mm, 625 x 625 mm, (300 x 1200-1800 mm, further sizes available on request)
- Please note**
- The minimum quantities according to the price list!
- Thickness / Weight**
- 19 mm (ca. 5,2 kg/m²), 30 mm (ca. 8,2 kg/m²), 35 mm (ca. 9,5 kg/m²)
- Colour**
- White similar to RAL 9010



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 m³/hm²) as per DIN 18177
- Humidity** ■ up to 95% RH



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