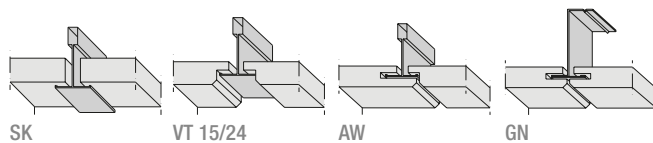




# THERMATEX® Alpha HD

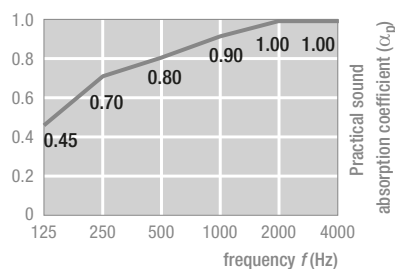
THERMATEX® Alpha HD offers the benefits of an extremely absorbing ceiling tile combined with a concealed grid construction.

- SYSTEM**
  - C** Exposed Grid System, demountable ceiling
  - F** Free span system, with exposed or concealed suspension
  - I** Bandraster system, with exposed or concealed suspension
  - A** Concealed system, panels demountable / non demountable
- Dimensions**
  - 600 x 600, 300 x 1800, 600 x 1800 mm, further sizes available on request
- Thickness / Weight**
  - 19 mm (c. 5.2 kg/m<sup>2</sup>)
- Colour**
  - White similar to RAL 9010
- Edge details**
  - SK, VT 15/24, AW, GN



## 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
  - $NRC = 0.85$  as per ASTM C 423-01
- Sound attenuation**
  - $D_{n,f,w} = 34$  dB as per EN ISO 10848 (19 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<sup>3</sup>/hm<sup>2</sup>) as per DIN 18177
- Humidity**
  - up to 95% RH



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