

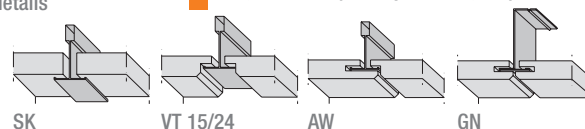


THERMATEX® Acoustic



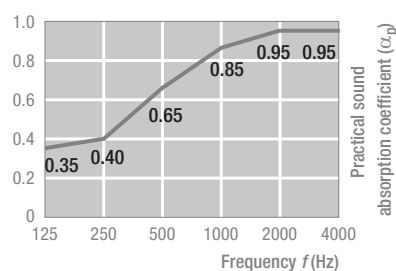
THERMATEX® Acoustic is a 19 mm thick ceiling tile made from a special perforated mineral board with an acoustic fleece facing. The perforations provide excellent sound absorption while the fleece offers a smooth, elegant surface finish. The combination of high density, bio-soluble mineral wool with clay and starch provides excellent physical characteristics, particularly for acoustic performance.

- SYSTEM**
- C** Exposed Grid System, demountable ceiling
 - F** Free span system, with exposed or concealed suspension
 - I** Bandrastrer system, with exposed or concealed suspension
 - A** Concealed system, panels demountable / non demountable
- Dimensions**
- 600 x 600 mm, 1200 x 300 mm, 1200 x 600mm plank sizes available on request
- Please note**
- Minimum quantities according to the price list
- Thickness / Weight**
- 19 mm (c. 4.6 kg/m²)
- Colour**
- White similar to RAL 9010
- Edge details**
- SK, VT 15/24 (on request AW, GN)



TECHNICAL PERFORMANCE

- Building material class** ■ A2-s1, d0 as per EN 13501-1
- Fire resistance** ■ F30 - F120 as per DIN 4102 part 2 (as per test certificate)
REI30 - REI120 per EN 13501 part 2 (as per test certificate)
- Sound absorption** ■ EN ISO 354
 $\alpha_w = 0.65(H)$ as per EN ISO 11654
 $NRC = 0.70$ as per ASTM C 423
- Sound attenuation** ■ $D_{n,f,w} = 38$ dB as per EN ISO 10848 (19 mm thickness, according to test certificates)
 $D_{n,f,w} = 40$ dB as per EN ISO 10848 (in semi-concealed system, as per test certificate)
- Sound insulation** ■ $R_w = 22$ dB as per EN ISO 10848 (15 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
- Clean Room** ■ Class 3 as per ISO 14644-1
- Interior air** ■ Indoor air comfort GOLD status



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