

## 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, 625 x 625 mm, plank sizes available on request

### Please note

- The minimum quantities according to the price list!

### Thickness / Weight

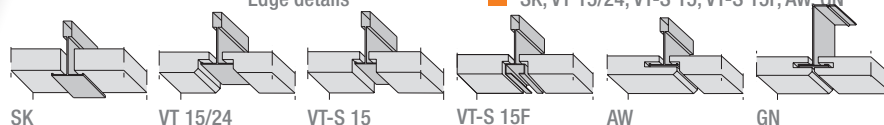
- 19 mm (c. 4.6 kg/m<sup>2</sup>)

### Colour

- White similar to RAL 9010

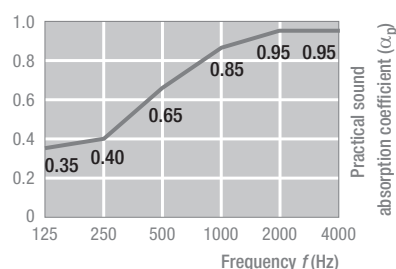
### Edge details

- SK, VT 15/24, VT-S 15, VT-S 15F, 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 ( $\leq 30$  m<sup>3</sup>/hm<sup>2</sup>) 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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