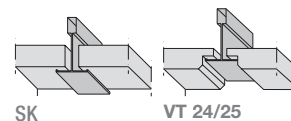


THERMATEX® Acoustic



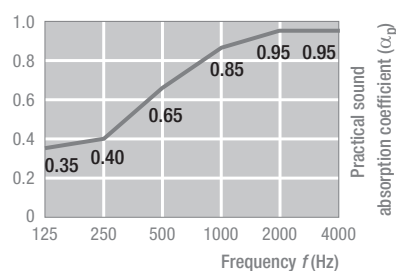
■ THERMATEX® Acoustic is a 19 mm thick ceiling tile made from a special perforated mineral board with an acoustic fleece facing. The perforations provide excellent sound absorption while the fleece offers a smooth, elegant surface finish. The combination of high density, bio-soluble mineral wool with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

SYSTEM	<ul style="list-style-type: none"> ■ 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/m ²)
Colour	■ White similar to RAL 9010
Edge details	■ SK, VT 24/25 Additional edge details available on request



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 m ³ /hm ²) 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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