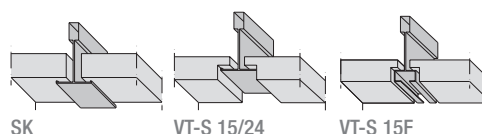


THERMATEX® Alpha ONE



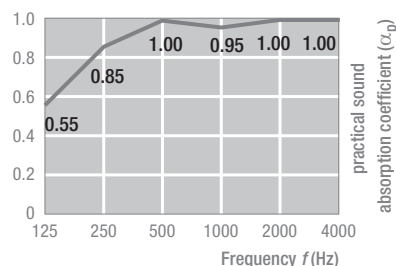
■ THERMATEX® Alpha ONE is a new wet-felt mineral tile which provides highest sound absorption values. With a strong white acoustic fleece THERMATEX® Alpha ONE offers a smooth, elegant surface finish. The combination of bio-soluble mineral wool with clay and starch provides excellent physical characteristics.

SYSTEM	■ Exposed Grid System, demountable ceiling
Dimensions	■ 600 x 600 mm 1200 x 1200 mm
Please note	■ The minimum quantities according to the price list!
Thickness / Weight	■ 24 mm (approx. 4.0 kg/m ²)
Colour	■ white similar to RAL 9010
Edge details	■ SK, VT-S 15/24, VT-S 15F



TECHNICAL PERFORMANCE

Building material class	■ A2-s1, d0 as per EN 13501-1
Fire resistance	■ F30 - F90 as per DIN 4102 part 2 (as per test certificate) REI30 - REI90 per EN 13501 part 2 (as per test certificate)
Sound absorption	■ EN ISO 354 $\alpha_w = 1.00$ as per EN ISO 11654 NRC = 1.00 as per ASTM C 423
Sound attenuation	■ $D_{n,f,w} = 29$ dB as per EN ISO 10848 (24 mm thickness, according to test report)
Light reflectance	■ for white similar to RAL 9010 glare-free approx. 88%
Thermal conductivity	■ $\lambda = 0.040$ W/mK as per EN 12667
Air permeability	■ PM1 (≤ 30 m ³ /hm ²) as per DIN 18177
Humidity	■ up to 95% RH
Clean room classification	■ class 4 as per ISO 14644-1
Interior air	■ Indoor air comfort GOLD status



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