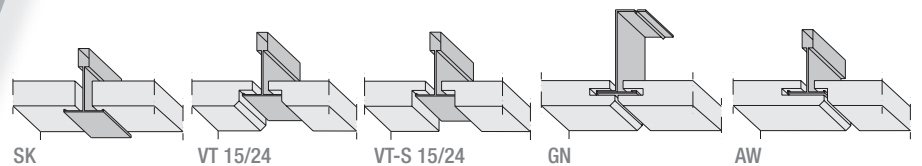


THERMATEX Acoustic

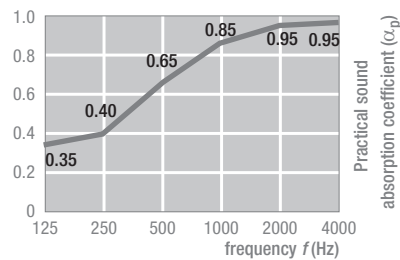
THERMATEX Acoustic is a 19 mm thick ceiling tile made from a special perforated mineral board with an acoustic fleece facing. The perforations provide excellent sound absorption while the fleece offers a smooth, elegant surface finish. The combination of high density, bio-soluble mineral wool with clay 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 Bandraster system, with exposed or concealed suspension A Concealed system, panels demountable / not demountable |
| Dimensions | <ul style="list-style-type: none"> 600 x 600 mm, 625 x 625 mm, plank sizes available on request |
| Thickness / Weight | <ul style="list-style-type: none"> 19 mm (c. 4.6 kg/m²) |
| Colour | <ul style="list-style-type: none"> White similar to RAL 9010 |
| Edge details | <ul style="list-style-type: none"> SK, VT 15/24, VT-S 15/24, AW, GN |



TECHNICAL PERFORMANCE

- | | |
|-------------------------|---|
| Building material class | <ul style="list-style-type: none"> A2-s1, d0 as per EN 13501-1 Class A as per ASTM E1264 (tested according to ASTM E84) |
| Fire protection | <ul style="list-style-type: none"> REI 30 - REI 120 as per EN 13501-2; Up to 60 minutes as per BS 476: parts 20 - 23 (according to test certificates) |
| Sound absorption | <ul style="list-style-type: none"> EN ISO 354 $\alpha_{w} = 0.65(H)$ as per EN ISO 11654 $NRC = 0.70$ as per ASTM C 423 |
| Sound attenuation | <ul style="list-style-type: none"> $D_{n,c,w} = 38$ dB as per EN 20140-9 (19 mm thickness) $D_{n,c,w} = 40$ dB as per EN 20140-9 (semi-concealed planks) (according to test certificates) |
| Light reflectance | <ul style="list-style-type: none"> up to 88% |
| Thermal conductivity | <ul style="list-style-type: none"> $\lambda = 0.052 - 0.057$ W/mK as per DIN 52612 |
| Humidity | <ul style="list-style-type: none"> Up to 95% RH |
| Clean Room | <ul style="list-style-type: none"> Class 4 as per ISO 14644-1 |



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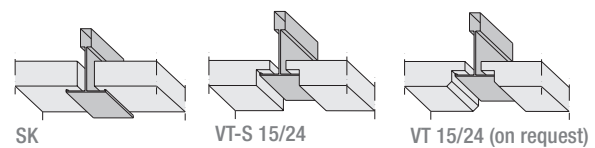
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THERMATEX Alpha ONE

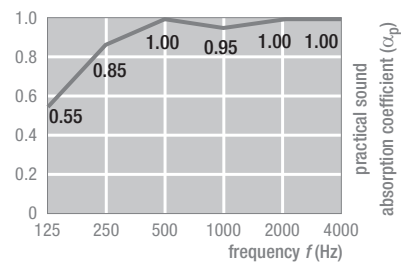
THERMATEX Alpha ONE is a new wet-felt mineral tile which provides highest sound absorption values. With a strong white acoustic fleece THERMATEX Alpha ONE offers a smooth, elegant surface finish. The combination of bio-soluble mineral wool with clay and starch provides excellent physical characteristics.

SYSTEM	■ Exposed Grid System, demountable ceiling
Dimensions	■ 600 x 600 mm, 625 x 625 mm, further sizes available on request
Thickness / Weight	■ 24 mm (c. 3.8 kg/m ²)
Colour	■ White similar to RAL 9010
Edge details	■ SK, VT-S 15/24, VT 15/24 on request



TECHNICAL PERFORMANCE

Building material class	■ A2-s1, d0 as per EN 13501-1 Class A as per ASTM E1264 (tested according to ASTM E84)
Fire protection	■ REI 30 - REI 90 as per EN 13501-2 (according to 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 10848 (24 mm thickness, according to test report)
Light reflectance	■ up to 88%
Thermal conductivity	■ $\lambda = 0.040$ W/mK as per EN 12667
Humidity	■ up to 95% RH
Clean Room	■ Class 4 as per ISO 14644-1



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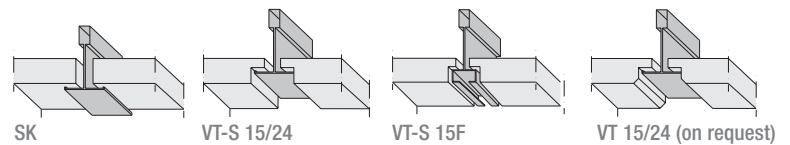
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THERMATEX Alpha

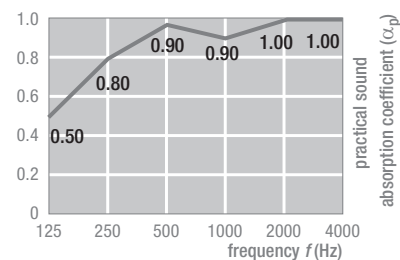
THERMATEX Alpha is a mineral ceiling tile providing high sound absorption. The light weight and perforations of the core board create Class A sound absorber. With a strong white surface the appearance of THERMATEX Alpha is smooth and elegant. New generation bio-soluble mineral wool, clay and starch, contribute to the excellent acoustic performance.

SYSTEM	■ Exposed Grid System, demountable ceiling
Dimensions	■ 600 x 600 mm, 625 x 625 mm, further sizes available on request
Thickness / Weight	■ 19 mm (c. 3.0 kg/m ²)
Colour	■ White similar to RAL 9010
Edge details	■ SK, VT-S 15/24, VT-S 15F, VT 15/24 (on request)



TECHNICAL PERFORMANCE

Building material class	■ A2-s1, d0 as per EN 13501-1 Class A as per ASTM E1264 (tested according to ASTM E84)
Fire protection	■ REI 30 - REI 90 as per EN 13501-2 (according to test certificate)
Sound absorption	■ EN ISO 354 $\alpha_w = 0.95$ as per EN ISO 11654 $NRC = 0.90$ as per ASTM C 423
Sound attenuation	■ $D_{n,f,w} = 28$ dB as per EN 10848 (19 mm thickness, according to test certificate)
Light reflectance	■ up to 88%
Thermal conductivity	■ $\lambda = 0.040$ W/mK as per EN 12667
Humidity	■ Up to 95% RH
Clean room classification	■ ISO-class 4 as per ISO 14644-1



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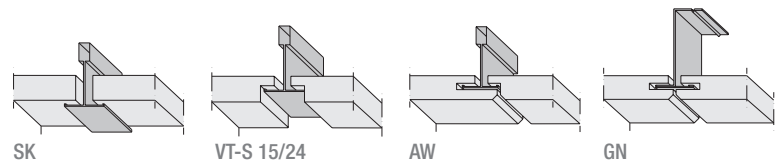
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THERMATEX Aquatec

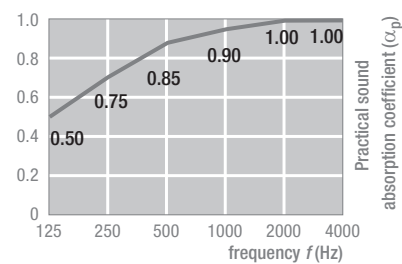
Thanks to its special composition, THERMATEX Aquatec shows moisture resistance of up to 100% RH. This means that even with a high humidity and temperatures between 0 and 40°C the panel is inherently stable at all times. If necessary, THERMATEX Aquatec can be cleaned using water. Additionally, thanks to good sound absorption, the ceiling panel shows excellent acoustic features, which makes it a perfect solution for areas with strict hygiene requirements.

SYSTEM	<ul style="list-style-type: none"> ■ Exposed Grid System, demountable ceiling ■ Concealed system, panels demountable
Dimensions	■ 600 x 600 mm, 625 x 625 mm
Thickness / Weight	■ 19 mm (c. 4.7 kg/m ²)
Colour	■ White similar to RAL 9010
Edge details	■ SK, VT-S 15/24, AW/GN



TECHNICAL PERFORMANCE

Building material class	■ A2-s1, d0 as per EN 13501-1
Sound absorption	<ul style="list-style-type: none"> ■ EN ISO 354 $\alpha_w = 0.90$ as per EN ISO 11654 $NRC = 0.90$ as per ASTM C 423
Sound attenuation	■ $D_{n,f,w} = 28$ dB as per EN 10848 (19 mm thickness, according to test certificate)
Light reflectance	■ Up to 88%
Thermal conductivity	■ $\lambda = 0.040$ W/mK as per EN 12667
Humidity	■ Up to 100% RH
Clean Room Classification	■ Class 3 as per ISO 14644-1



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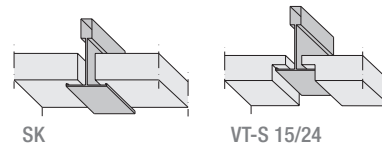
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THERMATEX Thermofon

THERMATEX Thermofon is a low density mineral tile with a painted acoustic fleece facing. It offers outstanding sound absorption values.

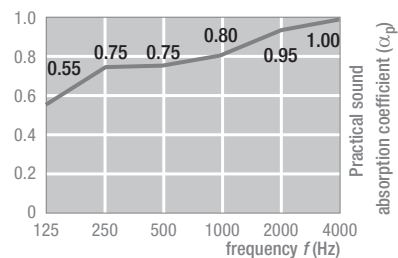


SYSTEM	■ Exposed system, demountable ceiling
Dimensions	■ 600 x 600 mm, 625 x 625 mm further sizes available on request
Thickness / weight	■ 15 mm (c. 2.4 kg/m ²)
Colour	■ White similar to RAL 9010
Edges details	■ SK, VT-S 15/24



TECHNICAL PERFORMANCE

Building material class	■ A2-s1, d0 as per EN 13501-1 Class A as per ASTM E1264 (tested according to ASTM E84)
Fire protection	■ REI 45 as per EN 13501-2 (according to test certificates)
Sound absorption	■ EN ISO 354 $\alpha_w = 0.80(H)$ as per EN ISO 11654 $NRC = 0.85$ as per ASTM C 423
Sound attenuation	■ $D_{n,c,w} = 28$ dB as per EN 20140-9 (according to test report)
Light reflectance	■ Up to 88%
Thermal conductivity	■ $\lambda = 0.038$ W/mK as per EN 12667
Humidity	■ Up to 95% RH
Clean room classification	■ ISO - Class 6 (as per ISO 14644-1)



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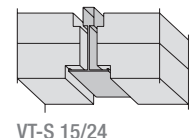
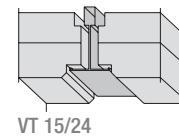
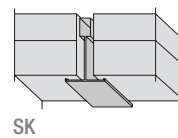
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THERMATEX Silence

THERMATEX Silence is a fleece coated ceiling made from two mineral boards bonded together. The special construction provides excellent sound absorption as well as high sound attenuation.

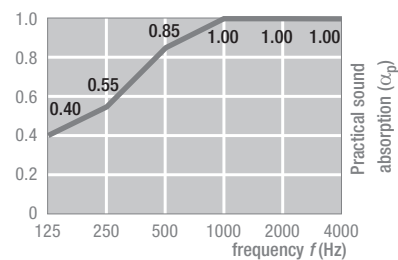


SYSTEM	■ Exposed Grid System, demountable ceiling
Dimensions	■ 600 x 600 mm, 625 x 625 mm, further sizes available on request
Thickness / Weight	■ 43 mm (c. 10.8 kg/m ²)
Colour	■ White similar to RAL 9010
Edge details	■ SK, VT 15/24, VT-S 15/24



TECHNICAL PERFORMANCE

Building material class	■ A2-s1, d0 as per EN 13501-1
Sound absorption	■ EN ISO 354 $\alpha_w = 0.85$ (H) as per EN ISO 11654 $NRC = 0.90$ as per ASTM C 423
Sound attenuation	■ $D_{n,f,w} = 44$ dB as per EN 10848 (43 mm thickness, according to test certificate)
Light reflectance	■ up to 88%
Thermal conductivity	■ $\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
Humidity	■ up to 95% RH



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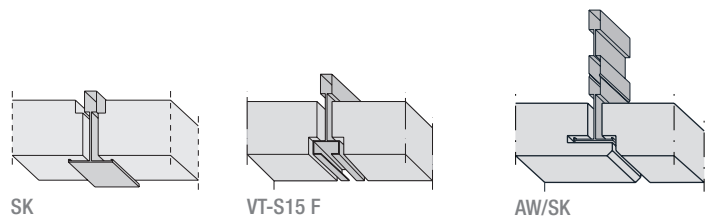


THERMATEX dB Acoustic (thickness 30 mm)

THERMATEX dB Acoustic is the ideal solution for high sound attenuation requirements. Additionally good levels of sound absorption are achieved and the white unperforated surface creates an excellent appearance. The combination of high density, bio-soluble mineral wool with clay and starch provides excellent physical characteristics, particularly for acoustic performance.

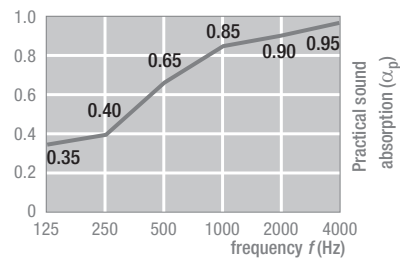


- SYSTEM ■ Exposed Grid System, demountable ceiling
- Dimensions ■ 600 x 600 mm, 625 x 625 mm,
- Thickness / Weight ■ 30 mm (c. 10.5 kg/m²)
- Colour ■ White similar to RAL 9010
- Edge details ■ SK, VT-S15F, AW/SK



TECHNICAL PERFORMANCE

- Building material class ■ A2-s1, d0 as per EN 13501-1
- 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 ■ $D_{n,c,w} = 43$ dB as per EN 20140-9
 (30 mm thickness, according to test certificate)
- Light reflectance ■ up to 88%
- Thermal conductivity ■ $\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
- Humidity ■ Up to 95% RH



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THERMATEX dB Acoustic (thickness 24 mm)

■ THERMATEX dB Acoustic is the ideal solution for high sound attenuation requirements. Additionally good levels of sound absorption are achieved and the white unperforated surface creates an excellent appearance.

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 Bandraster system, with exposed or concealed suspension

Dimensions

- 600 x 600 mm, 625 x 625 mm, plank sizes available on request

Thickness / Weight

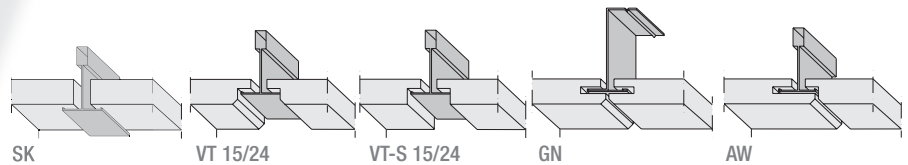
- 24 mm (c. 8.4 kg/m²)

Colour

- White similar to RAL 9010

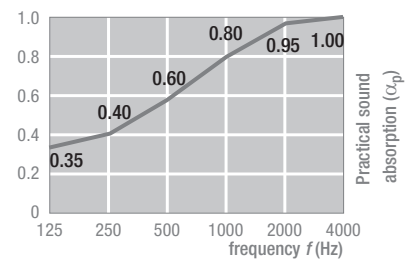
Edge details

- SK, VT 15/24, VT-S 15/24, AW/SK, GN/SK



TECHNICAL PERFORMANCE

- Building material class ■ A2-s1, d0 as per EN 13501-1
- Fire protection ■ REI 30 - REI 90 as per EN 13501-2 (according to 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 ■ $D_{n,c,w} = 41$ dB as per EN 20140-9 (24 mm thickness, according to test certificate)
 $D_{n,c,w} = 43$ dB as per EN 20140-9 (semi-concealed planks) (according to test certificate)
- Light reflectance ■ up to 88%
- Thermal conductivity ■ $\lambda = 0.052 - 0.057$ W/mK as per DIN 52612
- Humidity ■ Up to 95% RH



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