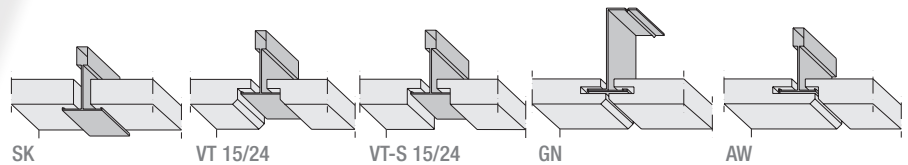




THERMATEX dB Acoustic Medical

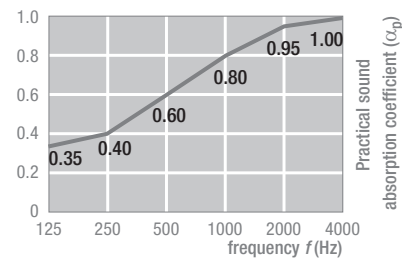
THERMATEX dB Acoustic Medical is the ideal solution for high sound attenuation requirements. Additionally good levels of sound absorption are achieved and the white unperforated surface creates an excellent appearance. The combination of high density, bio-soluble mineral wool with clay and starch provides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

- |                    |   |
|--------------------|---|
| SYSTEM             | <ul style="list-style-type: none"> <li><b>C</b> Exposed Grid System, demountable ceiling</li> <li><b>F</b> Free span system, with exposed or concealed suspension</li> <li><b>I</b> Bandraaster system, with exposed or concealed suspension</li> </ul> |
| Dimensions         | <ul style="list-style-type: none"> <li><b>■</b> 600 x 600 mm, 600 x 1200 mm plank sizes available on request</li> </ul>   |
| Thickness / Weight | <ul style="list-style-type: none"> <li><b>■</b> 24 mm (c. 8.4 kg/m<sup>2</sup>)</li> </ul>  |
| Colour             | <ul style="list-style-type: none"> <li><b>■</b> White similar to RAL 9010</li> </ul>  |
| Edge details       | <ul style="list-style-type: none"> <li><b>■</b> SK, VT 15/24, VT-S 15/24, AW/SK, GN/SK</li> </ul>   |



TECHNICAL PERFORMANCE

- |   |  |
|---|--|
| Building material class                     | <ul style="list-style-type: none"> <li><b>■</b> A2-s1, d0 as per EN 13501-1<br/>Class A as per ASTM E1264 (tested according to ASTM E84)</li> </ul>  |
| Classification of acoustic ceiling systems: |  |
| Sound absorption                            | <ul style="list-style-type: none"> <li><b>■</b> <math>\alpha_w = 0.65(H)</math> as per EN ISO 11654 and EN ISO 354<br/><math>NRC = 0.70</math> as per ASTM C423 and ASTM E1264</li> </ul>  |
| Sound attenuation                           | <ul style="list-style-type: none"> <li><b>■</b> <math>D_{n,c,w} = 41</math> dB as per EN 717-1 and EN 20140-9<br/><math>CAC = 42</math> dB as per ASTM E413-1 and ASTM E1264<br/>(24 mm thickness, according to test certificate)</li> </ul> |
| Light reflectance                           | <ul style="list-style-type: none"> <li><b>■</b> up to 88%</li> </ul>   |
| Thermal conductivity                        | <ul style="list-style-type: none"> <li><b>■</b> <math>\lambda = 0.052 - 0.057</math> W/mK as per DIN 52612</li> </ul>  |
| Humidity                                    | <ul style="list-style-type: none"> <li><b>■</b> Up to 95% RH</li> </ul>  |
| Permeability                                | <ul style="list-style-type: none"> <li><b>■</b> PM1 (30 m<sup>3</sup>/hm<sup>2</sup>) as per DIN 18177</li> </ul>  |
| Hygiene                                     | <ul style="list-style-type: none"> <li><b>■</b> anti-microbial treatment against bacteria and fungi</li> </ul>   |
| Scrubability                                | <ul style="list-style-type: none"> <li><b>■</b> tested as per ASTM D2486 (modified)</li> </ul>   |
| Washability                                 | <ul style="list-style-type: none"> <li><b>■</b> tested as per ASTM D4828 (modified)</li> </ul>   |



Knauf AMF GmbH & Co. KG  
 Eisenthal 15  
 D-94481 Grafenau  
 Phone 08552 / 422-0 - Fax 08552 / 422-32  
 info@knaufamf.de - www.amfceilings.com

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