



## AMF THERMATEX® Acoustic

- The laminated finish of AMF THERMATEX® Acoustic creates a smooth, white appearance and provides good levels of sound absorption and excellent sound attenuation
- Good sound absorption (0.65 (H)  $\alpha_w$ )
- Excellent sound attenuation (40 dB; SL2)
- High sound attenuation (38 dB; Board, Tegular 24, Tegular 15, Tegular 15/90, Finesse, Vector)
- Excellent light reflectance (88%)
- ISO 3
- Ideal for retail, offices and meeting rooms, installation rooms or production areas



| <b>Edge details</b><br>Additional edge details on request             |      | Board<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tegular 24<br>         | Tegular 15<br>           | Tegular 15/90<br>                             | SL2<br>                                                                                                                                                                        | Vector<br>                                   | Finesse<br>            |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
|-----------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------|-------------------------------------------|-----|-----|-----|------|------|------|-----------------------------------------------------------------------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|
| <b>Thickness (mm)</b>                                                 |      | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 19                     | 19                       | 19                                            | 19                                                                                                                                                                             | 24                                           | 19                     |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Dimensions (mm)</b><br>Additional sizes on request                 |      | 600 x 600<br>625 x 625<br>1200 x 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 600 x 600<br>625 x 625 | 600 x 600                | 600 x 600                                     | 1200 x 300<br>1500 x 300<br>1800 x 300<br>2000 x 300<br>2500 x 300                                                                                                             | 600 x 600<br>625 x 625                       | 600 x 600<br>625 x 625 |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>System</b>                                                         |      | Exposed demountable - System C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                          |                                               | Semi-concealed planks, demountable - System I.3<br>Semi-concealed planks - Bandrastrer, demountable - System I.2<br>Semi-concealed planks - Corridor, demountable - System F.2 | Semi-concealed tiles, demountable - System C |                        | Concealed, demountable - System A.2 / A.3 |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Weight</b>                                                         |      | 5.0 - 8.6 kg / m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Colour</b>                                                         |      | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sound absorption</b>                                               |      | EN ISO 354<br>$\alpha_w = \mathbf{0.65 (H)}$ as per EN ISO 11654 - <b>Class C</b><br>Frequency $f$ (Hz) <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th></th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td><math>\alpha_p</math> Board, Tegular 24, Tegular 15, Tegular 15/90, Finesse, SL2</td> <td>0.50</td> <td>0.45</td> <td>0.60</td> <td>0.85</td> <td>0.95</td> <td>0.95</td> </tr> <tr> <td><math>\alpha_p</math> Vector</td> <td>0.45</td> <td>0.40</td> <td>0.60</td> <td>0.80</td> <td>0.95</td> <td>1.00</td> </tr> </tbody> </table> NRC = <b>0.70</b> as per ASTM C 423 |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           | 125 | 250 | 500 | 1000 | 2000 | 4000 | $\alpha_p$ Board, Tegular 24, Tegular 15, Tegular 15/90, Finesse, SL2 | 0.50 | 0.45 | 0.60 | 0.85 | 0.95 | 0.95 | $\alpha_p$ Vector | 0.45 | 0.40 | 0.60 | 0.80 | 0.95 | 1.00 |
|                                                                       | 125  | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 500                    | 1000                     | 2000                                          | 4000                                                                                                                                                                           |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| $\alpha_p$ Board, Tegular 24, Tegular 15, Tegular 15/90, Finesse, SL2 | 0.50 | 0.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.60                   | 0.85                     | 0.95                                          | 0.95                                                                                                                                                                           |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| $\alpha_p$ Vector                                                     | 0.45 | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.60                   | 0.80                     | 0.95                                          | 1.00                                                                                                                                                                           |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sound attenuation</b>                                              |      | EN ISO 10848-2<br>$D_{n,f,w} = \mathbf{38 dB}$ (Board, Tegular 24, Tegular 15, Tegular 15/90, Vector, Finesse) as per EN ISO 717-1<br>$D_{n,f,w} = \mathbf{40 dB}$ (SL2) as per EN ISO 717-1<br>CAC = <b>39 dB</b> (Board, Tegular 24, Tegular 24/90, Tegular 15, Tegular 15/90, Vector, Finesse) as per ASTM E 413-10                                                                                                                                                                                                                                                                                                                                                                 |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sound reduction</b>                                                |      | EN ISO 10140-2<br>$R_w = \mathbf{22 dB}$ as per EN ISO 717-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Fire reaction</b>                                                  |      | Euroclass <b>A2-s1, d0</b> as per EN 13501-1<br><b>Class A</b> as per ASTM E 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                          | RUS <b>KM1 (G1, V1, D1, T1)</b> as per 123-FZ |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Light reflectance</b>                                              |      | <b>88%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Thermal conductivity</b>                                           |      | $\lambda = \mathbf{0.060 W/mk}$ as per EN 12667                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Air permeability</b>                                               |      | <b>PM1</b> ( $\leq 30 \text{ m}^3/\text{hm}^2$ ) as per DIN 18177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Humidity resistance</b>                                            |      | <b>95% RH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Clean room</b>                                                     |      | <b>ISO 3</b> as per EN ISO 14644-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Indoor air quality</b>                                             |      | <br>A+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <br>E1                 | <br>IACG                 |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Cleanability</b>                                                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
| <b>Sustainability</b>                                                 |      | <br>EN ISO 14021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <br>EN ISO 14025       | <br>EC 1272/2008 Annex G |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |
|                                                                       |      | 41-49%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                          |                                               |                                                                                                                                                                                |                                              |                        |                                           |     |     |     |      |      |      |                                                                       |      |      |      |      |      |      |                   |      |      |      |      |      |      |

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