

- יריעות מוצלבות לבמות צפות .
- אקוסטיפל מוצלב FRA 25,40,70 ק"ג לקוב , עוביים : 20,30,50 (וכל עובי נדרש)
- הפחתה דציבלית לאקוסטיפל 40 ק"ג לקוב - DB30 עפ"י בדיקה מס' 1320-2 (נבדק ע"י מעבדת IZOSOUND).
- תמיכה ובקרה – ניתנת תמיכה מקצועית על היישום .

| שקיעה במ"מ | עומס | עובי מוצר במ"מ | דגם אקוסטיפל |
|------------|--------------------------|----------------|--------------------------|
| 0.8 מ"מ | עומס של עד 800 ק"ג למ"ר | 20 | דגם אקוסטיפל 25 ק"ג לקוב |
| | | 30 | |
| | | 50 | |
| 1 מ"מ | עומס של עד 1600 ק"ג למ"ר | 20 | דגם אקוסטיפל 40 ק"ג לקוב |
| | | 30 | |
| | | 50 | |
| 1.1 מ"מ | עומס של עד 4050 ק"ג למ"ר | 20 | דגם אקוסטיפל 70 ק"ג לקוב |
| | | 30 | |
| | | 50 | |
| 1.2 מ"מ | | | |
| 1.5 מ"מ | | | |
| 2 מ"מ | | | |
| 1.6 מ"מ | | | |
| 2.5 מ"מ | | | |
| 2.6 מ"מ | | | |



product name - אקוטיפל fr צפיפות-25-30 ק"ג למטר קוב

Bil – xpe foam 25-30 kg/m³ FR

| characteristic | | unit | referance | Result |
|-----------------------------------|-------------|-------------------|------------------------|---------------------|
| tolerance | T < 5 | MM | TS 1856 EN | _ ⁺ 0.5% |
| | 5 < t < 10 | MM | | _ ⁺ 0.8% |
| | 10 < t < 30 | MM | ISO 1923 | _ ⁺ 1.5% |
| | 30 < t < 50 | MM | | _ ⁺ 2% |
| | 50 < t | MM | | _ ⁺ 4 % |
| colour | | | Grey /black | |
| DENSITY | | KG/M3 | ISO 845 -88 | 30-25 |
| SHORE | SHORE C | SHORE 00 | TS EN ISO 868 | 45-50 |
| SHORE | SHORE A | | | 20-30 |
| Tensile Strenght – MD | | KPA | ISO 1798 | 280 |
| ELONGATION AT BREAK – FOR T=10 mm | | % | TS 4594 EN ISO 3386 | 70 |
| TENSILE STRENGHT – TD | | KPA | ISO 1798 | 210 |
| PERMANENT CRUSH | | 70 -KPA 60 SEC | | 5% |
| THERMAL CONDUCTIVITY | | W/MK | | 0.035 |
| WATER VAPOR PERMEABILITY | | K/(MSPA) E-13 | | 5,4 |

משקל מקסימלי - 800 ק"ג למ"ר

בהתאם לנתוני יצרן (bilsan)

PRODUCT NAME - אקוסיפול fr צפיפות 40 ק"ג למטר קוב

Bil – xpe foam 40 kg/m3 FR

| characteristic | | unit | Reference | result |
|-----------------------------------|-------------|-------------------|------------------------|-------------|
| tolerance | T < 5 | MM | TS 1856 EN ISO 1923 | _ +0.5% |
| | 5 < t < 10 | MM | | _ +0.8% |
| | 10 < t < 30 | MM | | _ +1.5% |
| | 30 < t < 50 | MM | | _ + 2% |
| | 50 < t | MM | | _ +4 % |
| Colour | | | | Grey /black |
| DENSITY | | KG/M3 | ISO 845 -88 | 40 |
| SHORE SHORE | SHORE C | SHORE 00 | TS EN ISO 868 | 55-60 |
| | SHORE A | | | 20-30 |
| Tensile Strenght – MD | | KPA | ISO 1798 | 447 |
| ELONGATION AT BREAK – FOR T=10 mm | | % | TS 4594 EN ISO 3386 | 80% |
| TENSILE STRENGHT – TD | | KPA | ISO 1798 | 368 |
| PERMANENT CRUSH | | 70 -KPA 60 SEC | | 5% |
| THERMAL CONDUCTIVITY | | W/MK | | 0.040 |
| WATER VAPOR PERMEABILITY | | K/(MSPA) E-13 | | 2,6 |

משקל מקסימאלי - 1600 ק"ג למ"ר

בהתאם לנתוני יצרן (bilsan)

אקוטיפל 70fr צפיפות 70 ק"ג למטר קוב - PRODUCT NAME

Bil – xpe foam 70 kg/m3 FR

| characteristic | | unit | referance | result |
|-----------------------------------|-------------|-------------------|------------------------|------------|
| tolerance | T < 5 | MM | TS 1856 EN | _ +0.5% |
| | 5 < t < 10 | MM | | _ +0.8% |
| | 10 < t < 30 | MM | ISO 1923 | _ +1.5% |
| | 30 < t < 50 | MM | | _ + 2% |
| | 50 < t | MM | | _ +4 % |
| colour | | | Grey /black | |
| DENSITY | | KG/M3 | ISO 845 -88 | 70 |
| SHORE | SHORE C | SHORE 00 | TS EN ISO 868 | 70-75 |
| SHORE | SHORE A | | | 20-30 |
| Tensile Strenght – MD | | KPA | ISO 1798 | 690 |
| ELONGATION AT BREAK – FOR T=10 mm | | % | TS 4594 EN ISO 3386 | 140% |
| TENSILE STRENGHT – TD | | KPA | ISO 1798 | 570 |
| PERMANENT CRUSH | | 70 -KPA 60 SEC | | 2% |
| THERMAL CONDUCTIVITY | | W/MK | | 0.045 |
| WATER VAPOR PERMEABILITY | | K/(MSPA) E-13 | | 2,2 |

משקל מקסימאלי - 4050 ק"ג למ"ר

בהתאם לנתוני יצרן (bilsan)



1320-2



נספח A – עמוד 1

| <p>IZOSOUND laboratories ltd.</p> | <p>Brüel & Kjær</p> <p>Floor covering: Improvement of impact sound insulation ISO 10140-1 Annex H</p> | <p>Test report page: 1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-----------------|----------------------------|--------------------------------|-------------|---------------|--------------------------------|------------------|-----|------------------------|------------------|-----------------|----------------------------------|---------------|----------------------------|--|-------------|---------------|----------------------------|-----------------------|------|------|-------------------|------|-----|-----------------------|------|------|-------------------------|-----|------|-----|-----|------|------|------|------|-----|------|------|------|------|-----|------|-----|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|-----|------|------|-----|------|------|-----|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|------|------|-----|------|------|-----|------|-----|------|------|-----|------|------|
| | | <p>Test reference: ISO 10140 1-5 1320-2</p> <p>Test date: 21/8/2017</p> <p>Operator: David</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Laboratory test facilities:</p> <p>Reception room volume: 52.93 m³ Reception room surface: 85.5 m² Exposed surface: 15 m²</p> | <p>Average sound pressure level:</p> <table border="1"> <tr> <td></td> <td>BF</td> <td>BFWFC</td> </tr> <tr> <td>Microphone positions:</td> <td>6</td> <td>6</td> </tr> <tr> <td>Source positions:</td> <td>4</td> <td>4</td> </tr> <tr> <td>Linear averaging time:</td> <td>30 s</td> <td>30 s</td> </tr> <tr> <td>Spacially independent positions:</td> <td>24</td> <td>24</td> </tr> </table> | | BF | BFWFC | Microphone positions: | 6 | 6 | Source positions: | 4 | 4 | Linear averaging time: | 30 s | 30 s | Spacially independent positions: | 24 | 24 | <p>Reverberation time:</p> <table border="1"> <tr> <td></td> <td>BF</td> <td>BFWFC</td> </tr> <tr> <td>Microphone positions:</td> <td>6</td> <td>6</td> </tr> <tr> <td>Source positions:</td> <td>1</td> <td>1</td> </tr> <tr> <td>Number of repetition:</td> <td>2</td> <td>2</td> </tr> <tr> <td>Number of decay curves:</td> <td>12</td> <td>12</td> </tr> </table> | | BF | BFWFC | Microphone positions: | 6 | 6 | Source positions: | 1 | 1 | Number of repetition: | 2 | 2 | Number of decay curves: | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BF | BFWFC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microphone positions: | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source positions: | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Linear averaging time: | 30 s | 30 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spacially independent positions: | 24 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BF | BFWFC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microphone positions: | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source positions: | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of repetition: | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of decay curves: | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Test specimen supplier: XPE FOAM FR לרצף 40 (החברת: תרם-טקס) 40 kg/m³</p> <p>Test specimen reference: Density: 40 kg/m³</p> <p>Test specimen category: 2</p> <p>Test specimen curing period: days</p> <p>Test specimen description: מרצף פוליאורטן צפוף בעובי 40 מ"מ וסוג א' 1000X1500</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Weighted impact sound insulation of the reference floor: $L_{n,w,r} (C_{1,r}) = 48 (3) \text{ dB}$</p> <p>Weighted reduction of impact sound insulation: $\Delta L_w (\Delta L_{C1}) = 30 (16) \text{ dB}$</p> <p><small>Both based on a result obtained by a laboratory method.</small></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <thead> <tr> <th rowspan="2">Frequency Hz</th> <th colspan="4">Bare floor</th> <th colspan="4">Bare floor with floor covering</th> <th rowspan="2">ΔL dB</th> </tr> <tr> <th>$L_{n,w}$ dB</th> <th>B_2 dB</th> <th>T_{10} s</th> <th>A_{10} m²</th> <th>$L_{n,w}$ dB</th> <th>B_2 dB</th> <th>T_{10} s</th> <th>A_{10} m²</th> </tr> </thead> <tbody> <tr><td>100</td><td>66.7</td><td>31.8</td><td>1.27</td><td>60.1</td><td>6.8</td><td>57.5</td><td>31.8</td><td>1.26</td><td>57.5</td><td>8.8</td><td>58.9</td><td>3.3</td></tr> <tr><td>125</td><td>63.2</td><td>28.7</td><td>1.72</td><td>63.2</td><td>4.9</td><td>56.1</td><td>28.5</td><td>2.01</td><td>56.1</td><td>4.3</td><td>60.1</td><td>7.8</td></tr> <tr><td>160</td><td>65.5</td><td>31.8</td><td>1.59</td><td>65.9</td><td>4.2</td><td>53.6</td><td>31.8</td><td>1.76</td><td>53.6</td><td>4.8</td><td>62.2</td><td>11.6</td></tr> <tr><td>200</td><td>68.4</td><td>21.3</td><td>1.75</td><td>69.4</td><td>4.8</td><td>55.0</td><td>21.0</td><td>1.72</td><td>55.0</td><td>4.9</td><td>65.2</td><td>17.7</td></tr> <tr><td>250</td><td>70.0</td><td>20.7</td><td>1.80</td><td>70.0</td><td>4.6</td><td>48.8</td><td>21.8</td><td>1.96</td><td>48.8</td><td>5.3</td><td>66.7</td><td>20.6</td></tr> <tr><td>315</td><td>69.4</td><td>17.0</td><td>1.61</td><td>69.4</td><td>5.1</td><td>45.8</td><td>17.2</td><td>1.58</td><td>45.8</td><td>9.2</td><td>66.5</td><td>23.7</td></tr> <tr><td>400</td><td>71.5</td><td>13.6</td><td>1.59</td><td>71.5</td><td>5.2</td><td>42.8</td><td>15.1</td><td>1.59</td><td>42.8</td><td>5.2</td><td>68.6</td><td>28.8</td></tr> <tr><td>500</td><td>72.7</td><td>12.1</td><td>1.46</td><td>72.7</td><td>5.6</td><td>41.3</td><td>12.7</td><td>1.48</td><td>41.3</td><td>5.5</td><td>70.2</td><td>31.4</td></tr> <tr><td>630</td><td>73.4</td><td>9.3</td><td>1.50</td><td>73.4</td><td>5.4</td><td>39.6</td><td>9.5</td><td>1.38</td><td>39.6</td><td>5.5</td><td>70.7</td><td>33.5</td></tr> <tr><td>800</td><td>74.3</td><td>8.8</td><td>1.47</td><td>74.3</td><td>5.5</td><td>40.5</td><td>8.4</td><td>1.42</td><td>40.5</td><td>5.7</td><td>71.7</td><td>33.6</td></tr> <tr><td>1000</td><td>76.1</td><td>7.8</td><td>1.45</td><td>76.1</td><td>6.3</td><td>41.7</td><td>7.8</td><td>1.54</td><td>41.7</td><td>6.0</td><td>73.4</td><td>35.9</td></tr> <tr><td>1250</td><td>76.7</td><td>7.8</td><td>1.59</td><td>76.7</td><td>6.7</td><td>45.5</td><td>7.4</td><td>1.50</td><td>45.5</td><td>5.8</td><td>74.3</td><td>31.2</td></tr> <tr><td>1600</td><td>75.5</td><td>7.1</td><td>1.58</td><td>75.9</td><td>6.7</td><td>41.4</td><td>6.6</td><td>1.34</td><td>41.4</td><td>5.9</td><td>73.4</td><td>34.3</td></tr> <tr><td>2000</td><td>76.8</td><td>6.8</td><td>1.38</td><td>76.5</td><td>5.8</td><td>39.6</td><td>6.2</td><td>1.38</td><td>39.6</td><td>5.6</td><td>74.0</td><td>36.9</td></tr> <tr><td>2500</td><td>76.9</td><td>6.5</td><td>1.46</td><td>76.9</td><td>6.4</td><td>32.4</td><td>6.2</td><td>1.37</td><td>32.4</td><td>6.5</td><td>74.2</td><td>44.4</td></tr> <tr><td>3150</td><td>76.5</td><td>7.6</td><td>1.38</td><td>76.9</td><td>5.2</td><td>29.5</td><td>7.5</td><td>1.33</td><td>29.5</td><td>5.4</td><td>74.1</td><td>47.2</td></tr> <tr><td>4000</td><td>76.0</td><td>7.3</td><td>1.50</td><td>76.0</td><td>5.2</td><td>24.8</td><td>7.1</td><td>1.29</td><td>24.8</td><td>5.3</td><td>73.1</td><td>51.1</td></tr> <tr><td>5000</td><td>73.9</td><td>6.1</td><td>1.18</td><td>73.9</td><td>5.4</td><td>21.2</td><td>7.6</td><td>1.17</td><td>21.0</td><td>5.5</td><td>71.2</td><td>52.8</td></tr> </tbody> </table> <p><small>Measured at 27.5 °C, 48.8 % and 100.8 dPa Measured at 27.1 °C, 60.3 % and 100.8 dPa</small></p> | | | Frequency Hz | Bare floor | | | | Bare floor with floor covering | | | | ΔL dB | $L_{n,w}$ dB | B_2 dB | T_{10} s | A_{10} m ² | $L_{n,w}$ dB | B_2 dB | T_{10} s | A_{10} m ² | 100 | 66.7 | 31.8 | 1.27 | 60.1 | 6.8 | 57.5 | 31.8 | 1.26 | 57.5 | 8.8 | 58.9 | 3.3 | 125 | 63.2 | 28.7 | 1.72 | 63.2 | 4.9 | 56.1 | 28.5 | 2.01 | 56.1 | 4.3 | 60.1 | 7.8 | 160 | 65.5 | 31.8 | 1.59 | 65.9 | 4.2 | 53.6 | 31.8 | 1.76 | 53.6 | 4.8 | 62.2 | 11.6 | 200 | 68.4 | 21.3 | 1.75 | 69.4 | 4.8 | 55.0 | 21.0 | 1.72 | 55.0 | 4.9 | 65.2 | 17.7 | 250 | 70.0 | 20.7 | 1.80 | 70.0 | 4.6 | 48.8 | 21.8 | 1.96 | 48.8 | 5.3 | 66.7 | 20.6 | 315 | 69.4 | 17.0 | 1.61 | 69.4 | 5.1 | 45.8 | 17.2 | 1.58 | 45.8 | 9.2 | 66.5 | 23.7 | 400 | 71.5 | 13.6 | 1.59 | 71.5 | 5.2 | 42.8 | 15.1 | 1.59 | 42.8 | 5.2 | 68.6 | 28.8 | 500 | 72.7 | 12.1 | 1.46 | 72.7 | 5.6 | 41.3 | 12.7 | 1.48 | 41.3 | 5.5 | 70.2 | 31.4 | 630 | 73.4 | 9.3 | 1.50 | 73.4 | 5.4 | 39.6 | 9.5 | 1.38 | 39.6 | 5.5 | 70.7 | 33.5 | 800 | 74.3 | 8.8 | 1.47 | 74.3 | 5.5 | 40.5 | 8.4 | 1.42 | 40.5 | 5.7 | 71.7 | 33.6 | 1000 | 76.1 | 7.8 | 1.45 | 76.1 | 6.3 | 41.7 | 7.8 | 1.54 | 41.7 | 6.0 | 73.4 | 35.9 | 1250 | 76.7 | 7.8 | 1.59 | 76.7 | 6.7 | 45.5 | 7.4 | 1.50 | 45.5 | 5.8 | 74.3 | 31.2 | 1600 | 75.5 | 7.1 | 1.58 | 75.9 | 6.7 | 41.4 | 6.6 | 1.34 | 41.4 | 5.9 | 73.4 | 34.3 | 2000 | 76.8 | 6.8 | 1.38 | 76.5 | 5.8 | 39.6 | 6.2 | 1.38 | 39.6 | 5.6 | 74.0 | 36.9 | 2500 | 76.9 | 6.5 | 1.46 | 76.9 | 6.4 | 32.4 | 6.2 | 1.37 | 32.4 | 6.5 | 74.2 | 44.4 | 3150 | 76.5 | 7.6 | 1.38 | 76.9 | 5.2 | 29.5 | 7.5 | 1.33 | 29.5 | 5.4 | 74.1 | 47.2 | 4000 | 76.0 | 7.3 | 1.50 | 76.0 | 5.2 | 24.8 | 7.1 | 1.29 | 24.8 | 5.3 | 73.1 | 51.1 | 5000 | 73.9 | 6.1 | 1.18 | 73.9 | 5.4 | 21.2 | 7.6 | 1.17 | 21.0 | 5.5 | 71.2 | 52.8 |
| Frequency Hz | Bare floor | | | | Bare floor with floor covering | | | | ΔL dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | $L_{n,w}$ dB | B_2 dB | T_{10} s | A_{10} m ² | $L_{n,w}$ dB | B_2 dB | T_{10} s | A_{10} m ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 66.7 | 31.8 | 1.27 | 60.1 | 6.8 | 57.5 | 31.8 | 1.26 | 57.5 | 8.8 | 58.9 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | 63.2 | 28.7 | 1.72 | 63.2 | 4.9 | 56.1 | 28.5 | 2.01 | 56.1 | 4.3 | 60.1 | 7.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 65.5 | 31.8 | 1.59 | 65.9 | 4.2 | 53.6 | 31.8 | 1.76 | 53.6 | 4.8 | 62.2 | 11.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 68.4 | 21.3 | 1.75 | 69.4 | 4.8 | 55.0 | 21.0 | 1.72 | 55.0 | 4.9 | 65.2 | 17.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | 70.0 | 20.7 | 1.80 | 70.0 | 4.6 | 48.8 | 21.8 | 1.96 | 48.8 | 5.3 | 66.7 | 20.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 315 | 69.4 | 17.0 | 1.61 | 69.4 | 5.1 | 45.8 | 17.2 | 1.58 | 45.8 | 9.2 | 66.5 | 23.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | 71.5 | 13.6 | 1.59 | 71.5 | 5.2 | 42.8 | 15.1 | 1.59 | 42.8 | 5.2 | 68.6 | 28.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 | 72.7 | 12.1 | 1.46 | 72.7 | 5.6 | 41.3 | 12.7 | 1.48 | 41.3 | 5.5 | 70.2 | 31.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630 | 73.4 | 9.3 | 1.50 | 73.4 | 5.4 | 39.6 | 9.5 | 1.38 | 39.6 | 5.5 | 70.7 | 33.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 | 74.3 | 8.8 | 1.47 | 74.3 | 5.5 | 40.5 | 8.4 | 1.42 | 40.5 | 5.7 | 71.7 | 33.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 76.1 | 7.8 | 1.45 | 76.1 | 6.3 | 41.7 | 7.8 | 1.54 | 41.7 | 6.0 | 73.4 | 35.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1250 | 76.7 | 7.8 | 1.59 | 76.7 | 6.7 | 45.5 | 7.4 | 1.50 | 45.5 | 5.8 | 74.3 | 31.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1600 | 75.5 | 7.1 | 1.58 | 75.9 | 6.7 | 41.4 | 6.6 | 1.34 | 41.4 | 5.9 | 73.4 | 34.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 76.8 | 6.8 | 1.38 | 76.5 | 5.8 | 39.6 | 6.2 | 1.38 | 39.6 | 5.6 | 74.0 | 36.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2500 | 76.9 | 6.5 | 1.46 | 76.9 | 6.4 | 32.4 | 6.2 | 1.37 | 32.4 | 6.5 | 74.2 | 44.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3150 | 76.5 | 7.6 | 1.38 | 76.9 | 5.2 | 29.5 | 7.5 | 1.33 | 29.5 | 5.4 | 74.1 | 47.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4000 | 76.0 | 7.3 | 1.50 | 76.0 | 5.2 | 24.8 | 7.1 | 1.29 | 24.8 | 5.3 | 73.1 | 51.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5000 | 73.9 | 6.1 | 1.18 | 73.9 | 5.4 | 21.2 | 7.6 | 1.17 | 21.0 | 5.5 | 71.2 | 52.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |