



[k]nord Prüfzeugnis MPA Braunschweig



2. Schallabsorptionsgrad (Auszug)

| Schallabsorptionsgrad nach DIN EN ISO 354 | | | | Eignungsprüfung nach ZTV-Lsw 06, Abschnitt 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------|---------------------|--|--|----|---|---|---|----|---|---|---|----|---|---|---|-----|-------|------|------|-----|-------|------|------|-----|-------|------|------|-----|-------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| Auftraggeber: Kompostsysteme Nord GmbH Lärmschutzsysteme Industriepark 6 27777 Ganderkesee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prüfverfahren DIN EN ISO 354 | | | Prüfgegenstand: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hallraum: Volumen: 213 m ³ Lufttemperatur: 17 °C Luftfeuchte: 39 % Luftdruck: 102 kPa | | | Lärmschutzteilwall mit der Bezeichnung "System KNL" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prüffläche: ca. 12,0 m ² | | | Aufbau siehe Anlage 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Messung in Terzbandbreite | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prüfdatum: 08.01.2009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>f Hz</th> <th>T₁ s</th> <th>T₂ s</th> <th>α_s</th> </tr> </thead> <tbody> <tr><td>50</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>63</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>80</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>100</td><td>17,83</td><td>6,38</td><td>0,29</td></tr> <tr><td>125</td><td>15,41</td><td>5,54</td><td>0,33</td></tr> <tr><td>160</td><td>12,91</td><td>4,51</td><td>0,42</td></tr> <tr><td>200</td><td>10,43</td><td>3,92</td><td>0,46</td></tr> <tr><td>250</td><td>9,41</td><td>3,25</td><td>0,58</td></tr> <tr><td>315</td><td>8,14</td><td>2,88</td><td>0,65</td></tr> <tr><td>400</td><td>6,71</td><td>2,37</td><td>0,79</td></tr> <tr><td>500</td><td>5,69</td><td>2,22</td><td>0,79</td></tr> <tr><td>630</td><td>5,11</td><td>2,02</td><td>0,86</td></tr> <tr><td>800</td><td>5,13</td><td>1,93</td><td>0,93</td></tr> <tr><td>1000</td><td>5,09</td><td>1,89</td><td>0,96</td></tr> <tr><td>1250</td><td>4,95</td><td>1,82</td><td>1,00</td></tr> <tr><td>1600</td><td>4,50</td><td>1,73</td><td>1,02</td></tr> <tr><td>2000</td><td>4,21</td><td>1,67</td><td>1,04</td></tr> <tr><td>2500</td><td>3,69</td><td>1,57</td><td>1,05</td></tr> <tr><td>3150</td><td>3,01</td><td>1,43</td><td>1,04</td></tr> <tr><td>4000</td><td>2,42</td><td>1,27</td><td>1,05</td></tr> <tr><td>5000</td><td>1,88</td><td>1,10</td><td>1,05</td></tr> </tbody> </table> | f Hz | T ₁ s | T ₂ s | α _s | 50 | - | - | - | 63 | - | - | - | 80 | - | - | - | 100 | 17,83 | 6,38 | 0,29 | 125 | 15,41 | 5,54 | 0,33 | 160 | 12,91 | 4,51 | 0,42 | 200 | 10,43 | 3,92 | 0,46 | 250 | 9,41 | 3,25 | 0,58 | 315 | 8,14 | 2,88 | 0,65 | 400 | 6,71 | 2,37 | 0,79 | 500 | 5,69 | 2,22 | 0,79 | 630 | 5,11 | 2,02 | 0,86 | 800 | 5,13 | 1,93 | 0,93 | 1000 | 5,09 | 1,89 | 0,96 | 1250 | 4,95 | 1,82 | 1,00 | 1600 | 4,50 | 1,73 | 1,02 | 2000 | 4,21 | 1,67 | 1,04 | 2500 | 3,69 | 1,57 | 1,05 | 3150 | 3,01 | 1,43 | 1,04 | 4000 | 2,42 | 1,27 | 1,05 | 5000 | 1,88 | 1,10 | 1,05 | | | | | |
| f Hz | T ₁ s | T ₂ s | α _s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 17,83 | 6,38 | 0,29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | 15,41 | 5,54 | 0,33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 12,91 | 4,51 | 0,42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 10,43 | 3,92 | 0,46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | 9,41 | 3,25 | 0,58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 315 | 8,14 | 2,88 | 0,65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | 6,71 | 2,37 | 0,79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 | 5,69 | 2,22 | 0,79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630 | 5,11 | 2,02 | 0,86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 | 5,13 | 1,93 | 0,93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 5,09 | 1,89 | 0,96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1250 | 4,95 | 1,82 | 1,00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1600 | 4,50 | 1,73 | 1,02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 4,21 | 1,67 | 1,04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2500 | 3,69 | 1,57 | 1,05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3150 | 3,01 | 1,43 | 1,04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4000 | 2,42 | 1,27 | 1,05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5000 | 1,88 | 1,10 | 1,05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Die Einzel-Angabe des Schallabsorptionsgrades DL_s nach DIN EN 1793-1 (11.97) beträgt $DL_s = 10$ dB, damit ist das System in die Absorptionsgruppe A3 ($DL_s = 8$ bis 11 dB, hochabsorbierend) nach ZTV-Lsw 06, Abschnitt 2.2 einzuordnen.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr. des Prüfberichtes: 2001/986/09-1 Braunschweig, den 05. Februar 2009 | | | | Anlage 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p align="center">Materialprüfanstalt für das Bauwesen Beethovenstraße 52 D-38106 Braunschweig</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Dipl.-Phys. Krause | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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