

# B Deck

## NRC ACOUSTICAL DATA

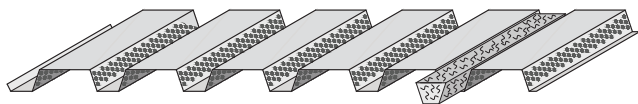
newmill.com

### ACOUSTICAL PERFORMANCE TEST VALUES

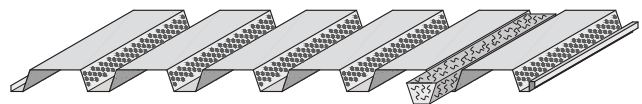
| Deck Type                 | Above Deck Rigid Insulation | Fiberglass Deck Rib Insulation | NRC         | SAA  | Absorption Coefficients |        |        |         |         |         | Ref. Test No.               |
|---------------------------|-----------------------------|--------------------------------|-------------|------|-------------------------|--------|--------|---------|---------|---------|-----------------------------|
|                           |                             |                                |             |      | 125 Hz                  | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |                             |
| BA and BIA                | 2" Polyiso                  | Plain 0.75 pcf                 | <b>0.50</b> | 0.52 | 0.10                    | 0.17   | 0.40   | 0.95    | 0.55    | 0.31    | <a href="#">RAL-A19-393</a> |
| BA and BIA                | 2" Polyiso                  | Plain 0.75 pcf                 | <b>0.55</b> | 0.54 | 0.04                    | 0.19   | 0.52   | 0.85    | 0.60    | 0.30    | <a href="#">RAL-A20-497</a> |
| BA and BIA                | 2" Polyiso                  | Plain 1.1 pcf                  | <b>0.60</b> | 0.61 | 0.09                    | 0.21   | 0.62   | 0.95    | 0.62    | 0.30    | <a href="#">RAL-A20-542</a> |
| BA and BIA                | 2" Fiberglass               | Plain 0.75 pcf                 | <b>0.95</b> | 0.94 | 0.49                    | 1.08   | 1.12   | 0.95    | 0.58    | 0.30    | <a href="#">RAL-A20-540</a> |
| B-Dek Cellular Acoustical | 2" Fiberglass               | Plain 2.0 pcf                  | <b>0.70</b> | —    | 0.39                    | 0.47   | 0.63   | 0.84    | 0.79    | 0.48    | <a href="#">RAL-A82-200</a> |

**Note:** NRC Acoustic Test Reports are available for download at [newmill.com](http://newmill.com)

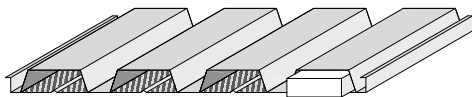
BA



BIA



B-DEK CELLULAR ACOUSTICAL



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# N Deck and NW32®

NRC ACOUSTICAL DATA

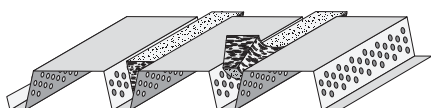
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## ACOUSTICAL PERFORMANCE TEST VALUES

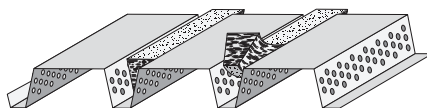
| Deck Type                 | Above Deck Rigid Insulation | Fiberglass Deck Rib Insulation | NRC         | SAA  | Absorption Coefficients |        |        |         |         |         | Ref. Test No.               |
|---------------------------|-----------------------------|--------------------------------|-------------|------|-------------------------|--------|--------|---------|---------|---------|-----------------------------|
|                           |                             |                                |             |      | 125 Hz                  | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |                             |
| NA                        | 2" Polyiso                  | Plain 0.75 pcf                 | <b>0.60</b> | 0.60 | 0.19                    | 0.35   | 0.76   | 0.83    | 0.49    | 0.31    | <a href="#">RAL-A19-158</a> |
| NA                        | 2" Polyiso                  | Plain 1.65 pcf                 | <b>0.65</b> | 0.66 | 0.21                    | 0.34   | 0.89   | 0.86    | 0.55    | 0.39    | <a href="#">RAL-A19-388</a> |
| NA                        | 2" Fiberglass               | Plain 0.75 pcf                 | <b>0.90</b> | 0.92 | 0.77                    | 1.16   | 1.11   | 0.89    | 0.51    | 0.31    | <a href="#">RAL-A19-157</a> |
| N-Dek Acoustical          | 2" Fiberglass               | Encapsulated 0.75 pcf          | <b>0.75</b> | —    | 0.61                    | 0.91   | 0.94   | 0.72    | 0.45    | 0.26    | <a href="#">RAL-A81-24</a>  |
| N-Dek Acoustical          | 2" Fiberglass               | Encapsulated 1.65 pcf          | <b>0.90</b> | 0.89 | 0.64                    | 1.12   | 1.03   | 0.86    | 0.53    | 0.33    | <a href="#">RAL-A93-207</a> |
| N-Dek Acoustical          | 2" Fiberglass               | Plain 0.75 pcf                 | <b>0.90</b> | 0.89 | 0.72                    | 1.06   | 1.08   | 0.92    | 0.51    | 0.37    | <a href="#">RAL-A94-175</a> |
| N-Dek Acoustical          | 2" Fiberglass               | Plain 1.65 pcf                 | <b>0.95</b> | 0.91 | 0.60                    | 1.08   | 1.11   | 0.93    | 0.58    | 0.38    | <a href="#">RAL-A93-208</a> |
| N-Dek Cellular Acoustical | 2" Fiberglass               | Encapsulated 2.0 pcf           | <b>0.95</b> | —    | 0.67                    | 0.81   | 1.10   | 0.97    | 0.84    | 0.67    | <a href="#">RAL-A85-267</a> |
| NW32A and NW32IA          | 2" Polyiso                  | Plain 0.75 pcf                 | <b>0.70</b> | 0.71 | 0.27                    | 0.46   | 0.91   | 0.94    | 0.50    | 0.44    | <a href="#">RAL-A21-065</a> |
| NW32A and NW32IA          | 0.5" Gypsum Board           | Plain 0.75 pcf                 | <b>0.70</b> | 0.70 | 0.24                    | 0.46   | 0.92   | 0.93    | 0.51    | 0.38    | <a href="#">RAL-A21-066</a> |
| NW32A and NW32IA          | 2" Polyiso                  | Encapsulated 0.75 pcf          | <b>0.75</b> | 0.75 | 0.37                    | 0.60   | 1.08   | 0.84    | 0.51    | 0.40    | <a href="#">RAL-A21-062</a> |
| NW32A and NW32IA          | 0.5" Gypsum Board           | Encapsulated 0.75 pcf          | <b>0.75</b> | 0.75 | 0.28                    | 0.60   | 1.05   | 0.85    | 0.52    | 0.38    | <a href="#">RAL-A21-061</a> |
| NW32A and NW32IA          | 2" Fiberglass               | Encapsulated 0.75 pcf          | <b>0.85</b> | 0.86 | 1.02                    | 1.10   | 1.11   | 0.80    | 0.45    | 0.35    | <a href="#">RAL-A21-063</a> |
| NW32A and NW32IA          | 2" Fiberglass               | Plain 0.75 pcf                 | <b>0.95</b> | 0.95 | 0.82                    | 1.19   | 1.16   | 0.96    | 0.52    | 0.41    | <a href="#">RAL-A21-064</a> |

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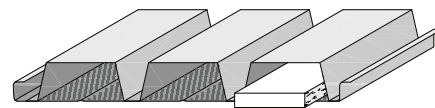
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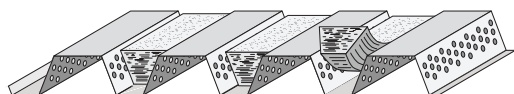
N-DEK ACOUSTICAL



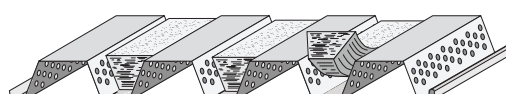
N-DEK CELLULAR ACOUSTICAL



NW32A®



NW32IA®



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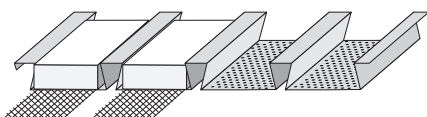
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## ACOUSTICAL PERFORMANCE TEST VALUES

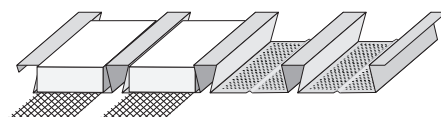
| Deck Type                              | Above Deck Rigid Insulation | Fiberglass Deck Rib Insulation | NRC         | SAA  | Absorption Coefficients |        |        |         |         |         | Ref. Test No.               |
|----------------------------------------|-----------------------------|--------------------------------|-------------|------|-------------------------|--------|--------|---------|---------|---------|-----------------------------|
|                                        |                             |                                |             |      | 125 Hz                  | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |                             |
| Versa-Dek® 2.0 Acoustical              | —                           | Plain 3.0 pcf                  | <b>0.95</b> | 0.92 | 0.16                    | 0.51   | 1.12   | 1.14    | 0.94    | 0.81    | <a href="#">RAL-A91-334</a> |
| Versa-Dek® 2.0 Acoustical              | 2" Fiberglass               | Plain 3.0 pcf                  | <b>1.15</b> | 1.13 | 0.82                    | 1.32   | 1.24   | 1.12    | 0.94    | 0.81    | <a href="#">RAL-A91-84</a>  |
| Versa-Dek® 3.5 LS Acoustical           | 2" Polyiso                  | Plain 3.0 pcf                  | <b>0.95</b> | 0.96 | 0.20                    | 0.68   | 1.11   | 1.02    | 1.04    | 0.87    | <a href="#">RAL-A22-110</a> |
| Versa-Dek® 3.5 LS Acoustical           | 0.5" Gypsum Board           | Plain 3.0 pcf                  | <b>0.95</b> | 0.97 | 0.18                    | 0.66   | 1.12   | 1.06    | 1.03    | 0.88    | <a href="#">RAL-A22-111</a> |
| Versa-Dek® 3.5 LS Acoustical           | 2" Polyiso                  | Encapsulated 3.0 pcf           | <b>1.00</b> | 0.98 | 0.35                    | 0.82   | 1.11   | 1.01    | 1.01    | 0.89    | <a href="#">RAL-A22-144</a> |
| Versa-Dek® 3.5 LS Acoustical           | 0.5" Gypsum Board           | Encapsulated 3.0 pcf           | <b>1.00</b> | 0.97 | 0.28                    | 0.77   | 1.15   | 1.03    | 0.99    | 0.83    | <a href="#">RAL-A22-142</a> |
| Versa-Dek® 3.5 LS Acoustical           | 2" Fiberglass               | Encapsulated 3.0 pcf           | <b>1.10</b> | 1.06 | 1.04                    | 1.18   | 1.15   | 1.00    | 0.99    | 0.84    | <a href="#">RAL-A22-143</a> |
| Versa-Dek® 3.5 LS Acoustical           | 2" Fiberglass               | Plain 3.0 pcf                  | <b>1.10</b> | 1.10 | 1.00                    | 1.21   | 1.16   | 1.05    | 1.04    | 0.87    | <a href="#">RAL-A22-109</a> |
| Super Versa-Dek® 6.5 LS Acoustical     | 2" Polyiso                  | Plain 3.0 pcf                  | <b>1.05</b> | 1.04 | 0.68                    | 1.05   | 1.11   | 0.98    | 1.00    | 0.95    | <a href="#">RAL-A10-108</a> |
| Versa-Dek® 2.0 LS Composite Acoustical | —                           | Plain 2.25 pcf                 | <b>0.60</b> | 0.56 | 0.06                    | 0.18   | 0.71   | 0.81    | 0.63    | 0.45    | <a href="#">NGC 4010031</a> |
| Versa-Dek® 3.5 LS Composite Acoustical | —                           | Plain 3.0 pcf                  | <b>0.85</b> | 0.86 | 0.05                    | 0.51   | 1.06   | 0.95    | 0.85    | 0.78    | <a href="#">NW052507-1</a>  |

**Note:** NRC Acoustic Test Reports are available for download at newmill.com

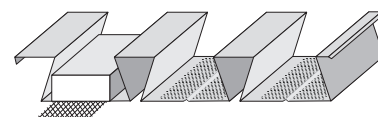
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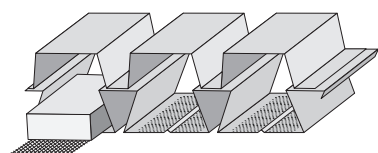
VERSA-DEK® 2.0 LS ES ACOUSTICAL



VERSA-DEK® 3.5 LS ACOUSTICAL



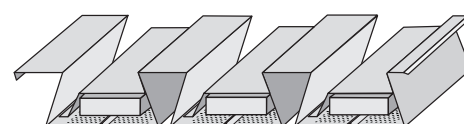
SUPER VERSA-DEK® 6.5 LS ACOUSTICAL



VERSA-DEK® 2.0 LS COMPOSITE ACOUSTICAL



VERSA-DEK® 3.5 LS COMPOSITE ACOUSTICAL



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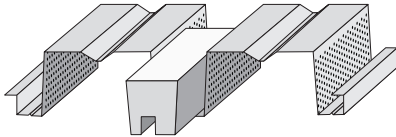
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## ACOUSTICAL PERFORMANCE TEST VALUES

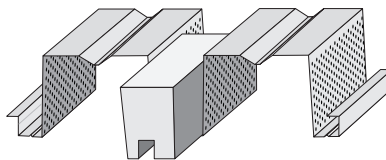
| Deck Type                         | Above Deck Rigid Insulation | Fiberglass Deck Rib Insulation | NRC         | SAA  | Absorption Coefficients |        |        |         |         |         | Ref. Test No.                          |
|-----------------------------------|-----------------------------|--------------------------------|-------------|------|-------------------------|--------|--------|---------|---------|---------|----------------------------------------|
|                                   |                             |                                |             |      | 125 Hz                  | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |                                        |
| Deep-Dek® 4.5 Acoustical          | 2" Polyiso                  | Plain 3.0 pcf                  | <b>0.70</b> | 0.68 | 0.34                    | 0.52   | 0.94   | 0.76    | 0.48    | 0.46    | <a href="#">RAL-A03-197</a>            |
| Deep-Dek® 6.0 Acoustical          | 2" Polyiso                  | Plain 3.0 pcf                  | <b>0.75</b> | 0.74 | 0.38                    | 0.69   | 0.88   | 0.81    | 0.58    | 0.52    | <a href="#">RAL-A03-201</a>            |
| Deep-Dek® 7.5 Acoustical          | 2" Polyiso                  | Plain 3.0 pcf                  | <b>0.80</b> | 0.81 | 0.47                    | 0.81   | 0.83   | 0.96    | 0.68    | 0.62    | <a href="#">RAL-A03-202</a>            |
| Deep-Dek® 4.5 Cellular Acoustical | 2" Polyiso                  | Plain 1.75 pcf                 | <b>1.00</b> | 1.00 | 0.73                    | 1.15   | 1.13   | 0.94    | 0.79    | 0.65    | <a href="#">RAL-A03-199</a>            |
| Deep-Dek® 6.0 Cellular Acoustical | 2" Polyiso                  | Plain 1.75 pcf                 | <b>1.00</b> | 1.00 | 0.73                    | 1.15   | 1.13   | 0.94    | 0.79    | 0.65    | <a href="#">Contact New Millennium</a> |
| Deep-Dek® 7.5 Cellular Acoustical | 2" Polyiso                  | Plain 1.75 pcf                 | <b>1.05</b> | 1.04 | 1.10                    | 1.15   | 1.17   | 1.00    | 0.81    | 0.65    | <a href="#">RAL-A03-198</a>            |

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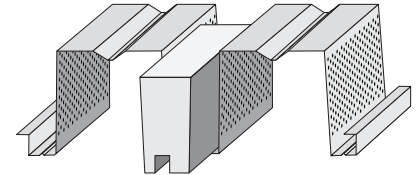
DEEP-DEK® 4.5 ACOUSTICAL



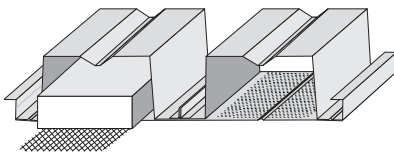
DEEP-DEK® 6.0 ACOUSTICAL



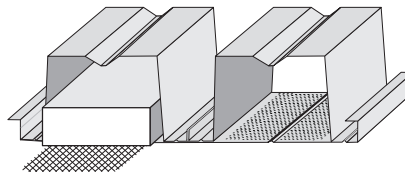
DEEP-DEK® 7.5 ACOUSTICAL



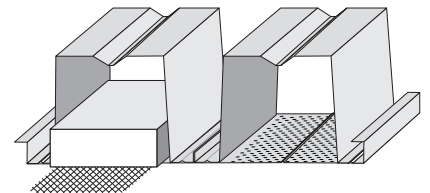
DEEP-DEK® 4.5 CELLULAR ACOUSTICAL



DEEP-DEK® 6.0 CELLULAR ACOUSTICAL



DEEP-DEK® 7.5 CELLULAR ACOUSTICAL



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