

B Deck

NRC ACOUSTICAL DATA

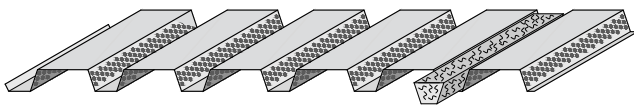
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ACOUSTICAL PERFORMANCE TEST VALUES

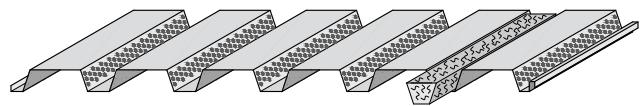
Deck Type	Above Deck Rigid Insulation	Fiberglass Deck Rib Insulation	NRC	SAA	Absorption Coefficients						Ref. Test No.
					125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
BA and BIA	2" Polyiso	Plain 0.75 pcf	0.50	0.52	0.10	0.17	0.40	0.95	0.55	0.31	RAL-A19-393
BA and BIA	2" Polyiso	Plain 0.75 pcf	0.55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

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

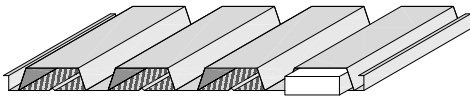
BA



BIA



B-DEK CELLULAR ACOUSTICAL



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N Deck and NW32[®]

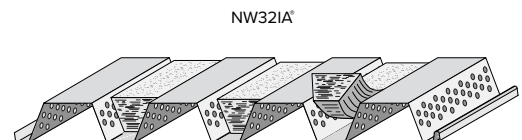
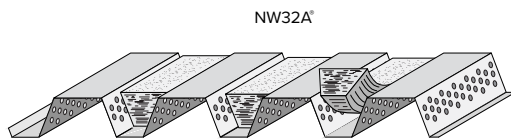
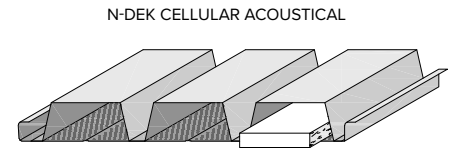
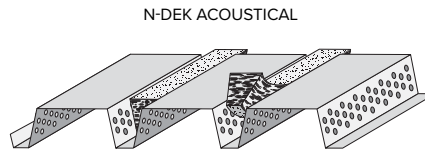
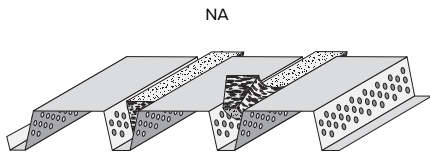
NRC ACOUSTICAL DATA

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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	0.60	0.60	0.19	0.35	0.76	0.83	0.49	0.31	RAL-A19-158
NA	2" Polyiso	Plain 1.65 pcf	0.65	0.66	0.21	0.34	0.89	0.86	0.55	0.39	RAL-A19-388
NA	2" Fiberglass	Plain 0.75 pcf	0.90	0.92	0.77	1.16	1.11	0.89	0.51	0.31	RAL-A19-157
N-Dek Acoustical	2" Fiberglass	Encapsulated 0.75 pcf	0.75	–	0.61	0.91	0.94	0.72	0.45	0.26	RAL-A81-24
N-Dek Acoustical	2" Fiberglass	Encapsulated 1.65 pcf	0.90	0.89	0.64	1.12	1.03	0.86	0.53	0.33	RAL-A93-207
N-Dek Acoustical	2" Fiberglass	Plain 0.75 pcf	0.90	0.89	0.72	1.06	1.08	0.92	0.51	0.37	RAL-A94-175
N-Dek Acoustical	2" Fiberglass	Plain 1.65 pcf	0.95	0.91	0.60	1.08	1.11	0.93	0.58	0.38	RAL-A93-208
N-Dek Cellular Acoustical	2" Fiberglass	Encapsulated 2.0 pcf	0.95	–	0.67	0.81	1.10	0.97	0.84	0.67	RAL-A85-267
NW32A and NW32IA	2" Polyiso	Plain 0.75 pcf	0.70	0.71	0.27	0.46	0.91	0.94	0.50	0.44	RAL-A21-065
NW32A and NW32IA	0.5" Gypsum Board	Plain 0.75 pcf	0.70	0.70	0.24	0.46	0.92	0.93	0.51	0.38	RAL-A21-066
NW32A and NW32IA	2" Polyiso	Encapsulated 0.75 pcf	0.75	0.75	0.37	0.60	1.08	0.84	0.51	0.40	RAL-A21-062
NW32A and NW32IA	0.5" Gypsum Board	Encapsulated 0.75 pcf	0.75	0.75	0.28	0.60	1.05	0.85	0.52	0.38	RAL-A21-061
NW32A and NW32IA	2" Fiberglass	Encapsulated 0.75 pcf	0.85	0.86	1.02	1.10	1.11	0.80	0.45	0.35	RAL-A21-063
NW32A and NW32IA	2" Fiberglass	Plain 0.75 pcf	0.95	0.95	0.82	1.19	1.16	0.96	0.52	0.41	RAL-A21-064

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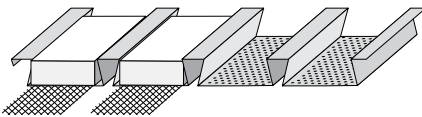
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ACOUSTICAL PERFORMANCE TEST VALUES

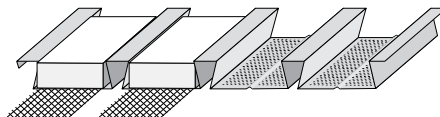
Deck Type	Above Deck Rigid Insulation	Fiberglass Deck Rib Insulation	NRC	SAA	Absorption Coefficients						Ref. Test No.
					125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
Versa-Dek® 2.0 Acoustical	–	Plain 3.0 pcf	0.95	0.92	0.16	0.51	1.12	1.14	0.94	0.81	RAL-A91-334
Versa-Dek® 2.0 Acoustical	2" Fiberglass	Plain 3.0 pcf	1.00	1.00	0.82	1.32	1.24	1.12	0.94	0.81	RAL-A91-84
Versa-Dek® 3.5 LS Acoustical	2" Polyiso	Plain 3.0 pcf	0.95	0.96	0.20	0.68	1.11	1.02	1.04	0.87	RAL-A22-110
Versa-Dek® 3.5 LS Acoustical	0.5" Gypsum Board	Plain 3.0 pcf	0.95	0.97	0.18	0.66	1.12	1.06	1.03	0.88	RAL-A22-111
Versa-Dek® 3.5 LS Acoustical	2" Polyiso	Encapsulated 3.0 pcf	1.00	0.98	0.35	0.82	1.11	1.01	1.01	0.89	RAL-A22-144
Versa-Dek® 3.5 LS Acoustical	0.5" Gypsum Board	Encapsulated 3.0 pcf	1.00	0.97	0.28	0.77	1.15	1.03	0.99	0.83	RAL-A22-142
Versa-Dek® 3.5 LS Acoustical	2" Fiberglass	Encapsulated 3.0 pcf	1.00	1.00	1.04	1.18	1.15	1.00	0.99	0.84	RAL-A22-143
Versa-Dek® 3.5 LS Acoustical	2" Fiberglass	Plain 3.0 pcf	1.00	1.00	1.00	1.21	1.16	1.05	1.04	0.87	RAL-A22-109
Super Versa-Dek® 6.5 LS Acoustical	2" Polyiso	Plain 3.0 pcf	1.00	1.00	0.68	1.05	1.11	0.98	1.00	0.95	RAL-A10-108
Versa-Dek® 2.0 LS Composite Acoustical	–	Plain 2.25 pcf	0.60	0.56	0.06	0.18	0.71	0.81	0.63	0.45	NGC 4010031
Versa-Dek® 3.5 LS Composite Acoustical	–	Plain 3.0 pcf	0.70	0.69	0.01	0.42	0.79	0.71	0.85	0.81	NW052507-2

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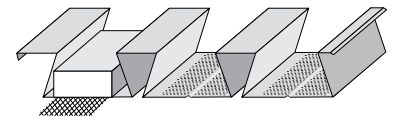
VERSA-DEK® 2.0 S ES ACOUSTICAL



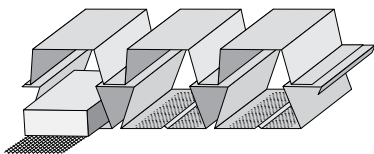
VERSA-DEK® 2.0 LS ES ACOUSTICAL



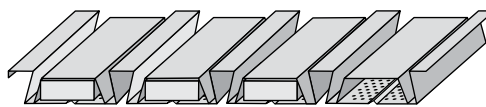
VERSA-DEK® 3.5 LS ACOUSTICAL



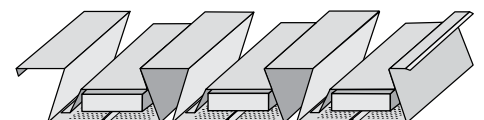
SUPER VERSA-DEK® 6.5 LS ACOUSTICAL



VERSA-DEK® 2.0 LS COMPOSITE ACOUSTICAL



VERSA-DEK® 3.5 LS COMPOSITE ACOUSTICAL



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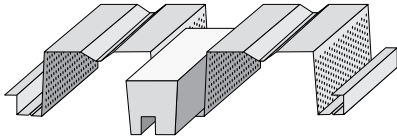
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ACOUSTICAL PERFORMANCE TEST VALUES

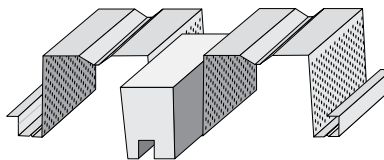
Deck Type	Above Deck Rigid Insulation	Fiberglass Deck Rib Insulation	NRC	SAA	Absorption Coefficients						Ref. Test No.
					125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
Deep-Dek® 4.5 Acoustical	2" Polyiso	Plain 3.0 pcf	0.70	0.68	0.34	0.52	0.94	0.76	0.48	0.46	RAL-A03-197
Deep-Dek® 6.0 Acoustical	2"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

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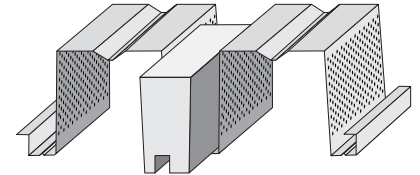
DEEP-DEK® 4.5 ACOUSTICAL



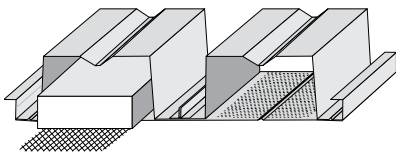
DEEP-DEK® 6.0 ACOUSTICAL



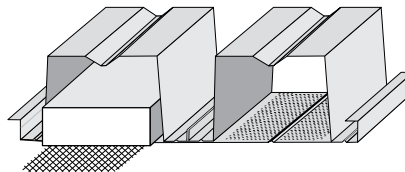
DEEP-DEK® 7.5 ACOUSTICAL



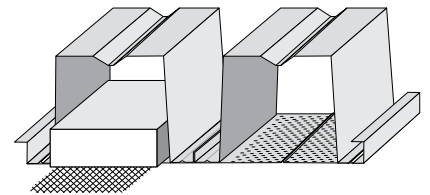
DEEP-DEK® 4.5 CELLULAR ACOUSTICAL



DEEP-DEK® 6.0 CELLULAR ACOUSTICAL



DEEP-DEK® 7.5 CELLULAR ACOUSTICAL



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