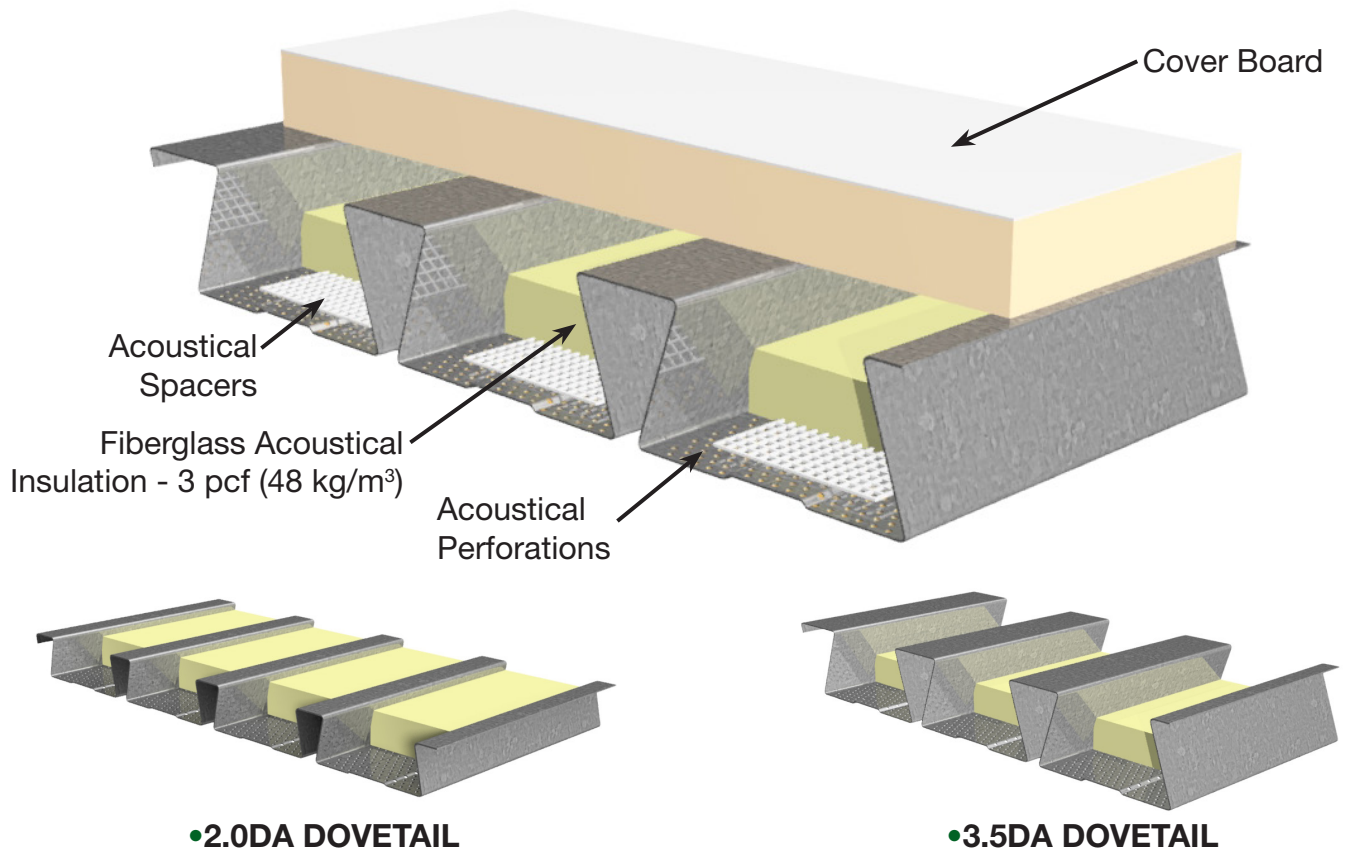


VULCRAFT NRC ACOUSTICAL SOLUTIONS

DOVETAIL ACOUSTICAL DECKS

REDUCE INTERIOR NOISE WITH THE SOUND ABSORPTION CAPABILITIES OF VULCRAFT ACOUSTICAL ROOF DECK



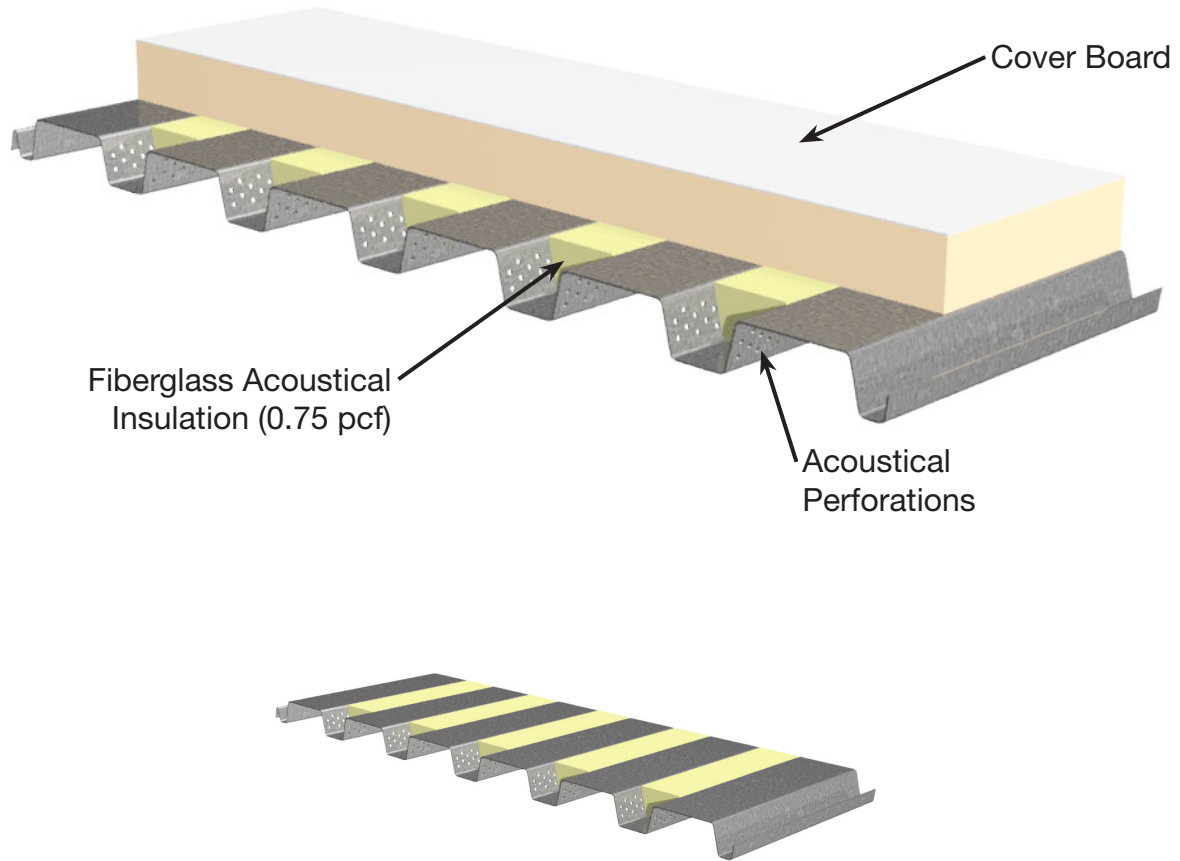
Roof Insulation	AC Insulation	Absorption Coefficients							SSA	NRC	RAL Test. No.
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz				
2.0DA DOVETAIL											
Poly-Iso	Plain	0.19	0.54	1.15	1.07	1.01	0.79	0.95	0.95	A14-170	
	Encapsulated	0.35	0.82	1.15	0.99	0.97	0.72	0.96	1.00	A14-167	
Fiberglass	Plain	0.74	1.40	1.25	1.03	0.98	0.80	1.14	1.15	A14-169	
	Encapsulated	0.62	1.18	1.08	0.93	0.97	0.77	1.02	1.05	A14-168	
½" (13 mm) Roof Board	Plain	0.17	0.51	1.05	1.05	0.85	0.77	0.85	0.85	A19-101	
	Encapsulated	0.30	0.56	1.02	0.99	0.92	0.78	0.86	0.85	A19-102	
3.5DA DOVETAIL											
Poly-Iso	Plain	0.25	0.74	1.13	1.06	0.97	0.75	0.96	1.00	A14-186	
	Encapsulated	0.38	0.86	1.18	1.03	0.93	0.65	0.98	1.00	A14-189	
Fiberglass	Plain	0.92	1.51	1.13	1.06	0.98	0.78	1.14	1.15	A14-187	
	Encapsulated	0.97	1.50	1.09	1.00	0.91	0.67	1.10	1.15	A14-188	
½" (13 mm) Roof Board	Plain	0.33	0.95	1.20	1.00	0.96	0.74	1.01	1.05	A19-220	
	Encapsulated	0.56	1.10	1.13	0.91	0.94	0.64	1.02	1.00	A19-223	

Note:

1. Plain 3.0 pcf (48 kg/m³) fiberglass acoustical insulation standard. Inquire regarding lead time for encapsulated insulation.

VULCRAFT NRC ACOUSTICAL SOLUTIONS

FLUTED ACOUSTICAL DECKS



•1.5BA-36 / 1.5BIA-36 / 1.5PLBA-36

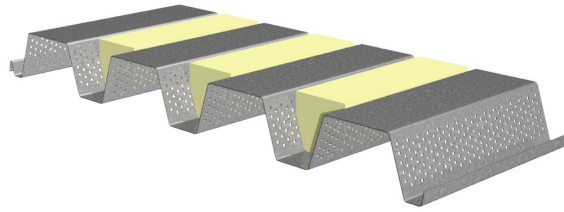
Roof Insulation	AC Insulation	Absorption Coefficients						SSA	NRC	RAL Test. No.
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz			
1.5BA-36 / 1.5BIA-36 / 1.5PLBA-36										
Poly-Iso	Plain	0.09	0.20	0.47	0.86	0.55	0.32	0.55	0.55	A15-125
	Encapsulated	0.14	0.35	0.74	0.76	0.44	0.27	0.57	0.55	A15-124
Fiberglass	Plain	0.68	1.16	1.17	0.96	0.52	0.31	0.95	0.95	A15-126
	Encapsulated	0.75	0.83	0.78	0.68	0.42	0.28	0.67	0.70	A15-123

Note:

1. Plain 0.75 pcf (12 kg/m³) fiberglass acoustical insulation standard for all BA decks. Inquire regarding lead time for encapsulated insulation.

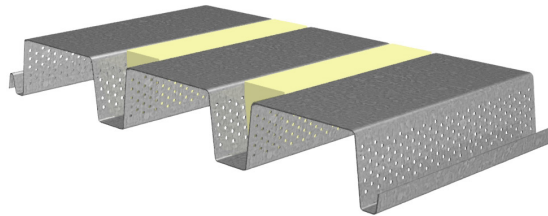
VULCRAFT NRC ACOUSTICAL SOLUTIONS

FLUTED ACOUSTICAL DECKS



•3NLA-32 / 3NIA-32 / 3PLNA-32

Roof Insulation	AC Insulation	Absorption Coefficients						SSA	NRC	RAL Test. No.
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz			
3NLA-32 / 3NIA-32 / 3PLNA-32										
2" Poly-Iso	Plain	0.23	0.42	0.85	0.95	0.50	0.41	0.68	0.70	A19-032
	Encapsulated	0.30	0.62	1.09	0.79	0.52	0.31	0.74	0.75	A19-111
2" Fiberglass	Plain	0.78	1.17	1.20	0.98	0.50	0.41	0.96	0.95	A19-031
	Encapsulated	0.89	1.08	1.09	0.74	0.46	0.30	0.83	0.85	A19-110
½" Roof Board	Plain	0.21	0.41	0.81	0.89	0.49	0.41	0.64	0.65	A19-033



•3NA-24 / 3NIA-24

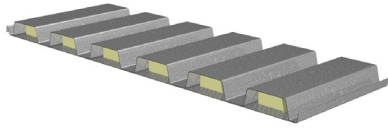
Roof Insulation	AC Insulation	Absorption Coefficients						SSA	NRC	RAL Test. No.
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz			
3NA-24 / 3NIA-24										
Poly-Iso	Plain	0.19	0.33	0.73	0.83	0.48	0.33	0.59	0.60	A15-130
	Encapsulated	0.17	0.39	0.94	0.86	0.48	0.27	0.67	0.65	A15-138
Fiberglass	Plain	0.81	1.16	1.15	0.91	0.47	0.27	0.92	0.90	A15-128
	Encapsulated	1.07	1.13	1.04	0.81	0.43	0.26	0.85	0.85	A15-137

Note:

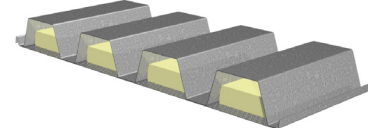
1. Plain 0.75 pcf (12 kg/m³) fiberglass acoustical insulation standard for all NA decks. Inquire regarding lead time for encapsulated insulation.

VULCRAFT NRC ACOUSTICAL SOLUTIONS

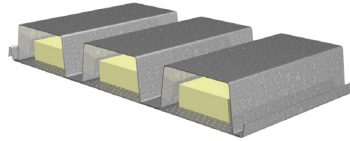
CELLULAR ACOUSTICAL DECKS



- 1.5BPA-36 / 1.5PLBPA-36 ROOF DECK
- 1.5VLPA-36 / 1.5PLVLPA-36 COMPOSITE DECK

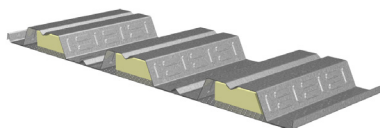


- 3NPA-32 / 3PLNPA-32 ROOF DECK

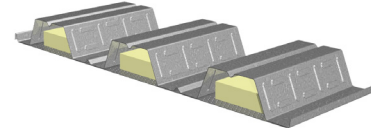


- 3NPA-24 / 3PLNPA-24 ROOF DECK

Roof Insulation	AC Insulation	Absorption Coefficients							SSA	NRC	RAL Test. No.
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz				
1.5BPA-36 / 1.5PLBPA-36 ROOF DECK OR 1.5VLPA-36 / 1.5PLVLPA-36 COMPOSITE DECK											
Poly-Iso	Plain	0.27	0.32	0.70	1.02	0.80	0.52	0.69	0.70	A15-114	
	Encapsulated	0.26	0.44	0.84	0.98	0.67	0.45	0.72	0.75	A15-115	
3NPA-32 / 3PLNPA-32 ROOF DECK											
Poly-Iso	Plain	TESTING CURRENTLY IN PROGRESS									
	Encapsulated	TESTING CURRENTLY IN PROGRESS									
3NPA-24 / 3PLNPA-24 ROOF DECK											
Poly-Iso	Plain	0.25	0.47	0.92	0.75	0.62	0.54	0.69	0.70	A15-141	
	Encapsulated	0.39	0.62	1.19	0.74	0.66	0.44	0.80	0.80	A15-231	



- 2VLPA-36 / 2PLVLPA-36 COMPOSITE DECK



- 3VLPA-36 / 3PLVLPA-36 COMPOSITE DECK

Floor	AC Insulation	Absorption Coefficients						SSA	NRC	RAL Test. No.
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz			
2VLPA-36 / 2PLVLPA-36 COMPOSITE DECK										
Concrete	Plain	0.31	0.44	0.72	0.77	0.47	0.47	0.60	0.60	A15-120
	Encapsulated	0.39	0.45	0.87	0.66	0.31	0.19	0.58	0.55	A15-119
3VLPA-36 / 3PLVLPA-36 COMPOSITE DECK										
Concrete	Plain	0.48	0.56	1.00	0.75	0.49	0.49	0.69	0.70	A15-121
	Encapsulated	0.51	0.63	0.83	0.49	0.39	0.28	0.58	0.60	A15-122

Note:

1. Factory installed plain 3.0 pcf (48 kg/m³) fiberglass acoustical insulation standard for all cellular decks. Inquire regarding lead time for encapsulated insulation.

NOTICE: Design defects that could cause injury or death may result from relying on the information in this document without independent verification by a qualified professional. The information in this document is provided "AS IS". Nucor Corporation and its affiliates expressly disclaim: (i) any and all representations, warranties and conditions and (ii) all liability arising out of or related to this document and the information in it.