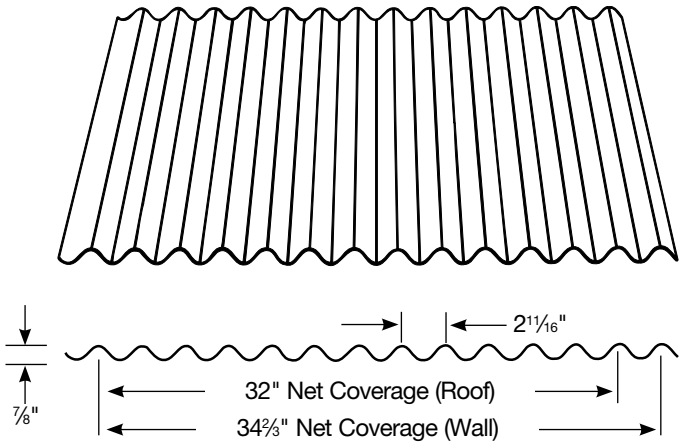
Nu-Wave® Corrugated

Nu-Wave Corrugated is an economical, structural thru-fastened roof or wall panel suitable for general usage.

Panel is ideal for roof, vertical or horizontal wall applications, soffit or interior accent panels.



Properties									Standard Finishes	
Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft²)	I+ (in⁴/ft)	S+ (in³/ft)	I- (in⁴/ft)	S- (in³/ft)	Metallic Coating	Paint System
26	0.0173	80	82	1.01	0.0225	0.0499	0.0225	0.0478	AZ50	Cool DuraTech® *nt*
24	0.0230	50	65	1.34	0.0305	0.0673	0.0305	0.0673	AZ50	Cool DuraTech® 5000 (polyvinylidene fluoride) or DuraTech *mx* (metallic polyvinylidene)
22	0.0290	50	65	1.68	0.0381	0.0841	0.0381	0.0841	AZ50	
20	0.0360	40	55	2.02	0.0450	0.1008	0.0450	0.1008	AZ50	

NOTES: The moments of inertia, I^+ and I^-, presented for determining deflection are: $(2I_{Effective} + I_{Gross})/3$

standard features

- Custom manufactured sheet lengths from 5'-0" to 45'-0."
- Available in 26ga, 24ga, 22ga and 20ga in standard finishes – refer to AEP Span Color Charts for full range of color options and paint systems.
- Meets roof & wall applications meet 2009 IBC requirements in accordance with Chapters 14 & 15, without requiring a product approval report.
- Tested performance beyond IBC requirements:
  - Air – ASTM E1680
  - Water -ASTM E1646
- Recommended minimum 3:12 roof slope.

optional features

- Short cut sheets from 5'-0" to 1'-0". Additional fees and lead times may apply.
- Custom colors and finishes are subject to minimum order size of 4,350 square feet and longer lead times.*
- Perforation – available in 3 perforation patterns from 7%-23% open areas (subject to 1,450 square feet minimum order).
- Smooth curving –
  - 20-24 gage - max length 30'-0"
    Min outside radius 3'-0"
- Stucco embossed option available in 22-26 gage and are subject to 1,450 square feet min.

* Inquire with AEP Span representative regarding premium Vintage® and DuraTech® Dimensional Prints availability.

Tacoma, WA & Fontana, CA Phone: 800-733-4955 Fax: 253-272-0791 **www.aepspan.com**

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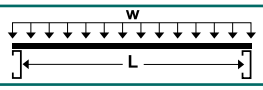
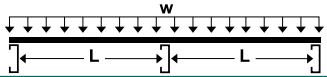
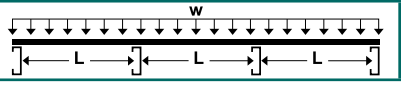
Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft²) per Span (ft.-in.)								
			16"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-0"	8'-0"	10'-0"
26	SS	f	672	299	191	133	75	48	33	19	12
		L/180	-	246	126	73	31	16	9	4	2
	DS	f	645	286	183	127	72	46	32	18	11
		L/180	-	-	-	-	-	38	22	9	5
	TS	f	806	358	229	159	90	57	40	22	14
		L/180	-	-	-	-	68	35	20	8	4
24	SS	f	755	336	215	149	84	54	37	21	13
		L/180	-	333	170	99	42	21	12	5	3
	DS	f	755	336	215	149	84	54	37	21	13
		L/180	-	-	-	-	-	51	30	13	6
	TS	f	944	420	268	186	105	67	47	26	17
		L/180	-	-	-	-	92	47	27	11	6
22	SS	f	945	420	269	187	105	67	47	26	17
		L/180	-	416	213	123	52	27	15	7	3
	DS	f	945	420	269	187	105	67	47	26	17
		L/180	-	-	-	-	-	64	37	16	8
	TS	f	1181	525	336	233	131	84	58	33	21
		L/180	-	-	-	-	115	59	34	14	7
20	SS	f	905	402	257	179	101	64	45	25	16
		L/180	-	-	252	146	61	31	18	8	4
	DS	f	905	402	257	179	101	64	45	25	16
		L/180	-	-	-	-	-	-	44	19	9
	TS	f	1131	503	322	223	126	80	56	31	20
		L/180	-	-	-	-	-	69	40	17	9

LOADING TABLE LEGEND
f - Load limited by flexural bending stress
L - Span (Inches)
L/180 - Load limited by a deflection of 1/180 of the span
w - Distributed load

Inward Loads	SS-Single span	
	DS-Double span	
	TS-Triple span	

Oil Canning : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.

NOTES:

- Top values based on allowable stress.
  Bottom values based on allowable deflection of L/180.
- "-" denotes that the allowable deflection is limited by the allowable flexural bending stress.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume)
- Tabulated values are for positive (Inward) loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

Specifications subject to change without notice.

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