

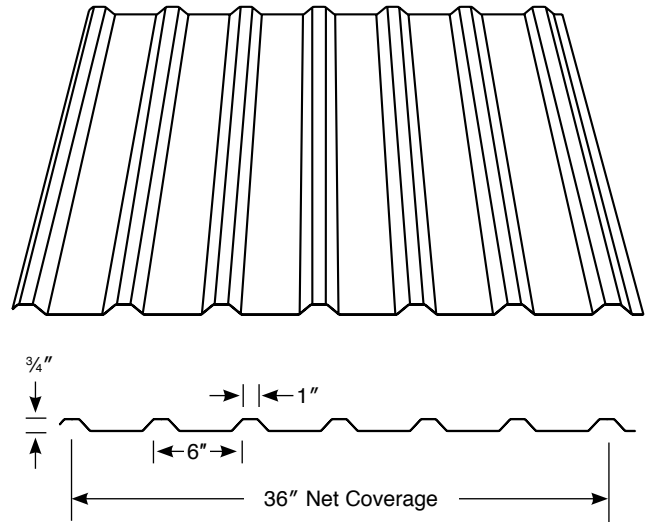
# U-Panel

Featuring

## Zincalume® For Twice the Life!

Zincalume combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

**U-Panel** is a “Utility” panel known for its economical through-fastened design preferred in light commercial and industrial roof or wall applications. U-Panel is especially suitable as an interior partition or liner panel for mini-storages.



36" Width U-Panel Section Properties

Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft <sup>2</sup> )	S+ (in <sup>3</sup> /ft)	I+ (in <sup>4</sup> /ft)	S- (in <sup>3</sup> /ft)	I- (in <sup>4</sup> /ft)
29	0.0139	80	82	0.7	0.0294	0.0187	0.0260	0.0127
26	0.0183	80	82	0.8	0.0409	0.0247	0.0356	0.0170
24	0.0232	50	65	1.1	0.0592	0.0340	0.0539	0.0247

**NOTE:** The moments of inertia, I<sup>+</sup> and I<sup>-</sup>, presented for determining deflection are:  $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

## features | benefits

- Structural spanning allows panel to be installed over solid substrates or spaced support members.
- Full-bearing sidelap rib provides consistent weather-resistant lap.
- Manufactured with high tensile steel for greater load capability.
- Matching trim packages are readily available in the same gauge and color as the roof panel.
- Can be installed on pitches as low as 3:12.
- 24 gauge can be crimp curved to accommodate radiused applications.
- 26 gauge U-Panel available in a wide variety of standard colors in the *Cool DuraTech® nt* coating system.
- 24 gauge U-Panel is offered in Zincalume Plus for unpainted applications as well as *Cool Surf White* in the *DuraTech nt* coating system.
- 29 gauge U-Panel is offered in the corrosion resistant Zincalume Plus for unpainted applications.

# U-Panel

36" Width U-Panel							
Gauge	Span	Cond.	Allowable Span (ft.-in.)				
			10	20	30	40	50
29	SS	f	8-4	5-11	4-10	4-2	3-9
		L/180	5-5	4-4	3-9	3-5	3-2
	DS	f	7-10	5-7	4-6	3-11	3-6
		L/180	6-9	5-4	4-6	3-11	3-6
	TS	f	8-9	6-6	5-5	4-4	3-4
		L/180	6-3	4-11	4-4	3-11	3-8
26	SS	f	9-10	7-0	5-8	4-11	4-5
		L/180	6-0	4-9	4-1	3-9	3-6
	DS	f	9-2	6-6	5-4	4-7	4-1
		L/180	7-5	5-11	5-2	4-7	4-1
	TS	f	10-10	7-7	5-6	5-5	4-5
		L/180	6-10	5-5	4-9	3-4	3-0
24	SS	f	11-11	8-5	6-10	5-11	5-3
		L/180	6-7	5-3	4-7	4-2	3-10
	DS	f	11-4	8-0	6-6	5-8	5-1
		L/180	8-4	6-7	5-9	5-3	4-10
	TS	f	12-1	8-9	7-7	6-6	5-6
		L/180	7-8	6-1	5-4	3-10	3-6

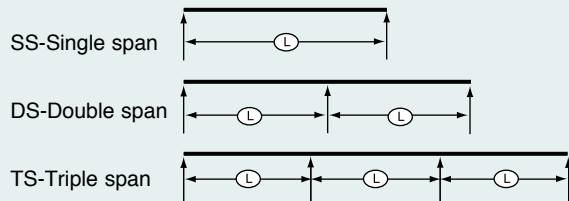
36" Width U-Panel							
Gauge	Span	Cond.	Allowable Load (lbs/ft <sup>2</sup> ) Span (ft.-in.)				
			2-0	3-0	4-0	5-0	6-0
29	SS	f	176	78	44	28	19
		L/180	176	60	25	13	7
	DS	f	156	69	39	24	17
		L/180	156	69	39	24	14
	TS	f	195	86	48	31	21
		L/180	195	86	38	19	11
26	SS	f	245	108	61	39	27
		L/180	245	80	33	17	10
	DS	f	213	94	53	34	23
		L/180	213	94	53	33	19
	TS	f	267	118	66	42	29
		L/180	267	118	51	26	15
24	SS	f	355	157	88	56	39
		L/180	355	109	46	23	13
	DS	f	323	143	80	51	35
		L/180	323	143	80	47	27
	TS	f	404	179	101	64	44
		L/180	404	171	72	36	21

### 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



### NOTES:

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180.
- Steel conforms to ASTM A792 (Zincalume) with 80,000 psi minimum yield.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

Specifications subject to change without notice.