

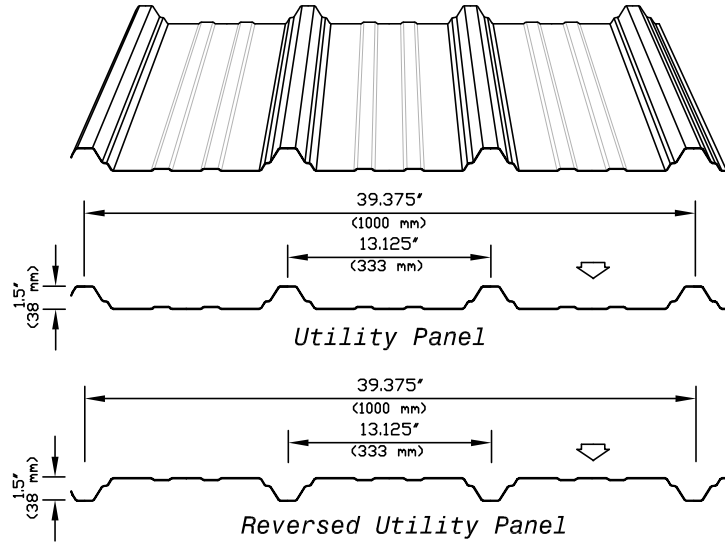
Utility Panel

The "Utility Panel" is one of Ideal's most versatile panels, since it can be used as both roofing and siding on steel or wood structures on commercial or industrial buildings.

As a roofing panel, the "Utility Panel" has been designed to provide maximum economy with only sacrificing slightly its structural spanning ability. In fact, Ideal's "Utility Panel", when manufactured in 26 gauge (.021"/0.54mm thick), can be installed over purlins at 48" (1220mm) centers in almost any area of eastern Canada and the north-eastern United States.

This product is roll-formed in panels with four 1½" (38mm) high ribs at 13.125" (333mm) centers, covering 39.375" (1000mm) in width and custom-cut in lengths of up to 40 feet (12.2m) for fast and easy installation.

For siding installations only, this panel can also be reversed and is referred to as the "Reversed Utility Panel".



Total Nominal Thickness (in.)	Core Nominal Thickness (in.)	Moment Resistance		Moment of Inertia (in-4)
		Mid-Span (In-lb)	Support (In-lb)	
0.021	0.018	1154	1163	0.0631
0.026	0.024	1656	1576	0.0870
0.032	0.030	2086	2003	0.1107

(IMPERIAL)

AVAILABLE MATERIALS

Mill finish Galvanized Steel

- (ASTM A-653 SS, grade 33, Z275 (G-90)); gauges: 26 (.021"/0.54mm thick), 24 (.026"/0.66mm thick), 22 (.032"/0.81mm thick), 20 (.038"/0.96mm thick).

Mill finish Galvalume Plus Steel

- (ASTM A-792 SS, grade 33, AZ180); gauges: 26 (.021"/0.54mm thick), 24 (.026"/0.66mm thick), 22 (.032"/0.81mm thick).

Pre-painted Galvanized Steel

- (ASTM A-653 SS, grade 33, Z275 (G-90)); Perspectra/Weather XL Series: see colour chart *1; gauges: 26 (.021"/0.54mm thick), 24 (.026"/0.66mm thick), 22 (.032"/0.81mm thick).

Minimum Yield Stress	Fy = 33,000.00 P.S.I. (228 Mpa)
Maximum Working Stress Fb	= 20,625.00 P.S.I. (144 Mpa)
Young's Modulus (E)	= 29,500,000.00 P.S.I. (203 Mpa)

*1): Other finishes and gauges are available, contact our office

UNIFORMLY DISTRIBUTED LOADS (pounds/square foot)							
Span Condition	Span (inches)	26 gauge (.021")		24 gauge (.026")		22 gauge (.032")	
		B	D	B	D	B	D
S I N G L E	24	192	689	276	950	348	1209
	30	123	353	177	486	223	619
	36	85	204	123	282	155	358
	42	63	129	90	177	114	226
	48	48	86	69	119	87	151
	54	38	60	55	83	69	106
	60	31	44	44	61	56	77
	66	25	33	37	46	46	58
	72	21	26	31	35	39	45
	78	18	20	26	28	33	35
	84	16	16	23	22	28	28
	90	14	13	20	18	25	23
96	12	11	17	15	22	19	
102	11	9	15	12	19	16	
108	10	8	14	10	17	13	
D O U B L E	24	194	1653	263	2280	334	2903
	30	124	846	168	1168	214	1486
	36	86	490	117	676	148	860
	42	63	308	86	425	109	542
	48	48	207	66	285	83	363
	54	38	145	52	200	66	255
	60	31	106	42	146	53	186
	66	26	79	35	110	44	140
	72	22	61	29	84	37	108
	78	18	48	25	66	32	85
	84	16	39	21	53	27	68
	90	14	31	19	43	24	55
96	12	26	16	36	21	45	
102	11	22	15	30	18	38	
108	10	18	13	25	16	32	
T R I P L E	24	242	1302	328	1796	417	2286
	30	155	667	210	919	267	1170
	36	108	386	146	532	185	677
	42	79	243	107	335	136	426
	48	61	163	82	224	104	286
	54	48	114	65	158	82	201
	60	39	83	53	115	67	146
	66	32	63	43	86	55	110
	72	27	48	36	67	46	85
	78	23	38	31	52	40	67
	84	20	30	27	42	34	53
	90	17	25	23	34	30	43
96	15	20	21	28	26	36	
102	13	17	18	23	23	30	
108	12	14	16	20	21	25	

B = Load reduced for web crippling D = Deflection based on L/180