

# SUPERPANEL

Superpanel deck and wall panel profiles are multi-cellular profiles that can be foam filled for added thermal properties. Superpanel is your ideal candidate for wall panel and decking applications.

## FEATURES AND BENEFITS /

- Corrosion Resistant
- Non-Conductive
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Structurally Stable
- Electromagnetic Transparency
- Easy Standard Installation Methods

## ANTISKID INFORMATION /

Creative uses a low-VOC, elastomeric acrylic polymer antiskid specially formulated for pedestrian traffic. It yields a sealed and weather-resistant anti-slip surface that meets the requirements of the ADA. Coefficient of Friction Dry 1.3, Wet 0.9. (ADA min requirement = .6)

## COLOR /

Consult the factory for color options.

Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

LEFT: PHOTO COURTESY OF COMPOSITE COOLING SOLUTIONS, LLC.



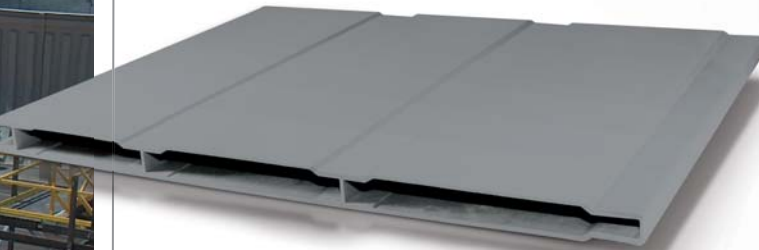
## APPLICATIONS

- WALKWAYS
- MARINA DOCK DECKING
- HEAVY DUTY WALLS
- ROOF PANEL SYSTEMS
- MASS TRANSIT PLATFORMS
- MUD MATS



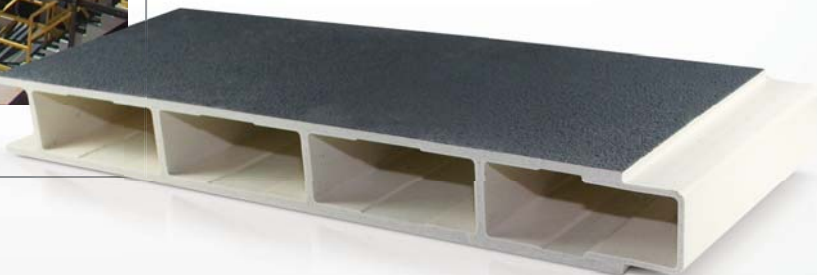
### SUPERPANEL PA004 DESCRIPTION /

Superpanel PA004 was designed for heavy vehicular traffic and as a walkway deck with limited support beams. The unique connection system can be bonded together to form a composite connection that will not allow water to penetrate the deck. This heavy duty panel can take vehicular and commercial traffic and is available with commercial or pedestrian antiskid.



### SUPERPANEL WALL PANEL CT066 DESCRIPTION /

Superpanel Wall Panel CT066 was designed for architectural applications requiring structural wall panels. The panel can be used for shelters, industrial buildings cooling towers and dry kilns among many other applications where corrosion resistance and low maintenance is required.



### SUPERPANEL CP150 /

Superpanel was designed to perform as a heavy duty walkway, wall or roof panel system. The tongue and groove system was designed to accept structural adhesive for enhancing composite action between panels. This heavy duty panel can take vehicular traffic and is available with commercial or pedestrian antiskid.

# SUPERPANEL PA004

## Simple Supported Beam-Single Span



**Superpanel PA004**  
18" wide x 4.5" depth  
1500/1525/1625 Series



### Imperial

$E_b = 2.80 \text{ Msi}$        $G_b = 0.50 \text{ Msi}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 25,000 psi  
 $I_x = 40.0 \text{ in}^4/\text{ft}$        $S_x = 17.8 \text{ in}^3/\text{ft}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 4,500 psi  
 $A_w = 3.0 \text{ in}^2/\text{ft}$       Weight = 9.1 psf

Allowable Concentrated Load Tables (lbs./ foot width of panel)							Allowable Uniform Load Tables (psf)						
Span (in)	L/D Ratios			Deflection (in)		Max. Service Load	Span (in)	L/D Ratios			Deflection (in)		Max. Service Load
	180	240	360	0.25	0.375			180	240	360	0.25	0.375	
12	****	****	****	****	****	9000	12	****	****	****	****	****	9000
18	****	****	****	****	****	9000	18	****	****	****	****	****	6000
24	****	****	****	****	****	9000	24	****	****	****	****	****	4500
30	****	****	8315	****	****	9000	30	****	****	****	****	****	3600
36	****	****	6813	****	****	9000	36	****	****	****	****	****	3000
42	****	8421	5614	****	****	9000	42	****	****	****	****	****	2571
48	****	7000	4667	8750	****	9000	48	****	****	1977	****	****	2250
54	7835	5876	3917	6529	****	9000	54	****	****	1462	****	****	2000
60	6643	4982	3321	4982	7473	9000	60	****	1660	1107	1660	****	1800
66	5687	4265	2843	3877	5816	9000	66	****	1285	856	1168	****	1636
72	4912	3684	2456	3070	4605	9000	72	1350	1012	675	844	1265	1500
78	4279	3209	2139	2469	3703	9000	78	1081	811	541	624	935	1385
84	3756	2817	1878	2012	3018	8476	84	878	659	439	471	706	1286
90	3320	2490	1660	1660	2490	7911	90	723	542	361	361	542	1200
96	2954	2215	1477	1384	2077	7417	96	601	451	301	282	423	1125

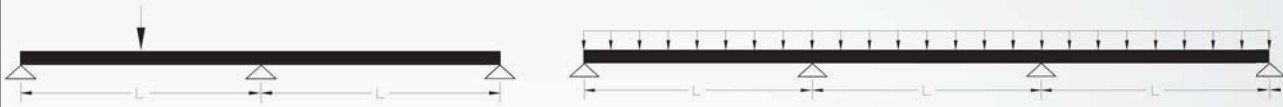
### Metric

$E_b = 19.3 \text{ Gpa}$        $G_b = 3.4 \text{ Gpa}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 172 Mpa  
 $I_x = 5.5E-5 \text{ m}^4/\text{m}$        $S_x = 9.6E-4 \text{ m}^3/\text{m}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 31 Mpa  
 $A_w = 6.4E-3 \text{ m}^2/\text{m}$       Weight = 44.4 kg/m<sup>2</sup>

Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m <sup>2</sup> )						
Span (m)	L/D Ratios			Deflection (mm)		Max. Service Load	Span (m)	L/D Ratios			Deflection (mm)		Max. Service Load
	180	240	360	6	10			180	240	360	6	10	
0.25	****	****	****	****	****	131.3	0.25	****	****	****	****	****	525.4
0.50	****	****	****	****	****	131.3	0.50	****	****	****	****	****	262.7
0.75	****	****	123.3	****	****	131.3	0.75	****	****	****	****	****	175.1
1.00	****	****	89.1	****	****	131.3	1.00	****	****	****	****	****	131.3
1.25	****	98.5	65.7	113.5	****	131.3	1.25	****	****	88.9	****	****	105.1
1.50	99.4	74.6	49.7	71.6	119.3	131.3	1.50	****	82.9	55.3	79.6	****	87.6
1.75	77.2	57.9	38.6	47.7	79.4	131.3	1.75	72.9	54.7	36.5	45.0	75.0	75.1
2.00	61.4	46.1	30.7	33.2	55.3	131.3	2.00	50.4	37.8	25.2	27.2	45.4	65.7
2.25	49.9	37.4	24.9	23.9	39.9	117.3	2.25	36.2	27.1	18.1	17.4	29.0	58.4
2.50	41.2	30.9	20.6	17.8	29.7	105.6	2.50	26.8	20.1	13.4	11.6	19.3	52.5
2.75	34.5	25.9	17.3	13.6	22.6	96.0	2.75	20.4	15.3	10.2	8.0	13.3	47.8
3.00	29.4	22.0	14.7	10.6	17.6	88.0	3.00	15.8	11.9	7.9	5.7	9.5	43.8

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

## Simple Supported Beam-Continuous Span



**Superpanel PA004**  
 18" wide x 4.5" depth  
 1500/1525/1625 Series



### Imperial

$E_b = 2.80 \text{ Msi}$        $G_b = 0.50 \text{ Msi}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 25,000 psi  
 $I_x = 40.0 \text{ in}^4/\text{ft}$        $S_x = 17.8 \text{ in}^3/\text{ft}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 4,500 psi  
 $A_w = 3.0 \text{ in}^2/\text{ft}$       Weight = 9.1 psf

Allowable Concentrated Load Tables (lbs./ foot width of panel)							Allowable Uniform Load Tables (psf)						
Span (in)	L/D Ratios			Deflection (in)		Max. Service Load	Span (in)	L/D Ratios			Deflection (in)		Max. Service Load
	180	240	360	0.25	0.375			180	240	360	0.25	0.375	
12	****	****	****	****	****	7578	12	****	****	****	****	****	7500
18	****	****	****	****	****	7578	18	****	****	****	****	****	5000
24	****	****	****	****	****	7578	24	****	****	****	****	****	3750
30	****	****	****	****	****	7578	30	****	****	****	****	****	3000
36	****	****	****	****	****	7578	36	****	****	****	****	****	2500
42	****	****	6894	****	****	7578	42	****	****	****	****	****	2143
48	****	****	5845	****	****	7578	48	****	****	****	****	****	1875
54	****	7478	4985	****	****	7578	54	****	****	****	****	****	1667
60	****	6422	4281	6422	****	7578	60	****	****	****	****	****	1500
66	7407	5555	3703	5050	7575	7578	66	****	****	****	****	****	1364
72	6453	4840	3226	4033	6050	7578	72	****	****	1150	****	****	1250
78	5660	4245	2830	3266	4898	7578	78	****	****	933	1076	****	1154
84	4998	3748	2499	2677	4016	7578	84	****	****	766	821	****	1071
90	4439	3329	2220	2220	3329	7578	90	****	954	636	636	954	1000
96	3966	2974	1983	1859	2788	7578	96	****	800	533	500	750	938

### Metric

$E_b = 19.3 \text{ Gpa}$        $G_b = 3.4 \text{ Gpa}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 172 Mpa  
 $I_x = 5.5\text{E-}5 \text{ m}^4/\text{m}$        $S_x = 9.6\text{E-}4 \text{ m}^3/\text{m}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 31 Mpa  
 $A_w = 6.4\text{E-}3 \text{ m}^2/\text{m}$       Weight = 44.4 kg/m<sup>2</sup>

Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m <sup>2</sup> )						
Span (m)	L/D Ratios			Deflection (mm)		Max. Service Load	Span (m)	L/D Ratios			Deflection (mm)		Max. Service Load
	180	240	360	6	10			180	240	360	6	10	
0.25	****	****	****	****	****	110.6	0.25	****	****	****	****	****	437.8
0.50	****	****	****	****	****	110.6	0.50	****	****	****	****	****	218.9
0.75	****	****	****	****	****	110.6	0.75	****	****	****	****	****	145.9
1.00	****	****	108.3	****	****	110.6	1.00	****	****	****	****	****	109.5
1.25	****	****	82.6	****	****	110.6	1.25	****	****	****	****	****	87.6
1.50	****	95.9	64.0	92.1	****	110.6	1.50	****	****	****	****	****	73.0
1.75	101.0	75.8	50.5	62.4	103.9	110.6	1.75	****	****	61.6	****	****	62.5
2.00	81.3	61.0	40.7	43.9	73.2	110.6	2.00	****	****	43.6	47.0	****	54.7
2.25	66.6	49.9	33.3	32.0	53.3	110.6	2.25	****	47.7	31.8	30.5	****	48.6
2.50	55.4	41.5	27.7	23.9	39.9	110.6	2.50	****	35.8	23.8	20.6	34.3	43.8
2.75	46.7	35.0	23.3	18.3	30.6	110.6	2.75	36.6	27.5	18.3	14.4	24.0	39.8
3.00	39.8	29.9	19.9	14.3	23.9	108.3	3.00	28.7	21.5	14.3	10.3	17.2	36.5

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

# SUPERPANEL WALL PANEL CT066

## Simple Supported Beam-Single Span



**Superpanel CT066**  
24" wide x 1.25" depth  
1500/1525/1625 Series



### Imperial

$E_b = 2.50 \text{ Msi}$        $G_b = 0.43 \text{ Msi}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 20,000 psi  
 $I_x = 1.01 \text{ in}^4/\text{ft}$        $S_x = 1.60 \text{ in}^3/\text{ft}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 4,500 psi  
 $A_w = 0.24 \text{ in}^2/\text{ft}$       Weight = 3.0 psf

Span (in)	Allowable Concentrated Load Tables (lb/ft width of panel)						Span (in)	Allowable Uniform Load Tables (lb/ft <sup>2</sup> )					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
	180	240	360	0.25	0.375	Max. Service Load		180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	720	12	****	****	****	****	****	720
18	****	****	544	****	****	720	18	****	****	****	****	****	480
24	****	581	387	****	****	720	24	****	****	332	****	****	360
30	565	424	282	****	****	720	30	****	285	190	****	****	288
36	425	319	212	531	****	720	36	235	176	118	****	****	240
42	328	246	164	352	528	720	42	155	116	77	166	****	206
48	260	195	130	244	366	720	48	107	80	53	100	150	180
54	211	158	105	176	263	720	54	76	57	38	64	95	160
60	174	130	87	130	195	720	60	56	42	28	42	64	144
66	146	109	73	99	149	720	66	43	32	21	29	44	131
72	124	93	62	77	116	711	72	33	25	17	21	31	120
78	106	80	53	61	92	656	78	26	20	13	15	23	111
84	92	69	46	49	74	610	84	21	16	11	11	17	103
90	81	60	40	40	60	569	90	17	13	9	9	13	96
96	71	53	36	33	50	533	96	14	11	7	7	10	90

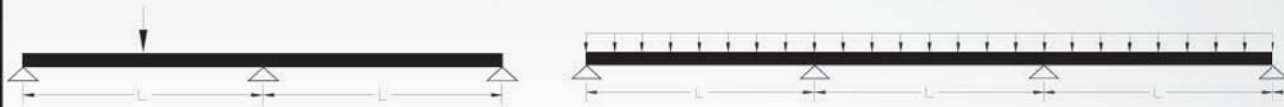
### Metric

$E_b = 17.2 \text{ Gpa}$        $G_b = 2.9 \text{ Gpa}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 138 Mpa  
 $I_x = 1.39\text{E-}6 \text{ m}^4/\text{m}$        $S_x = 8.60\text{E-}5 \text{ m}^3/\text{m}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 31 Mpa  
 $A_w = 5.08\text{E-}4 \text{ m}^2/\text{m}$       Weight = 14.6 kg/m<sup>2</sup>

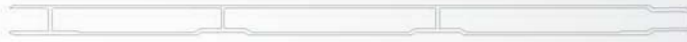
Span (m)	Allowable Concentrated Load Tables (kN/m width of panel)						Span (m)	Allowable Uniform Load Tables (kN/m <sup>2</sup> )					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
	180	240	360	6	10	Max. Service Load		180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	10.5	0.25	****	****	****	****	****	42.0
0.50	****	****	7.2	****	****	10.5	0.50	****	****	****	****	****	21.0
0.75	8.4	6.3	4.2	****	****	10.5	0.75	****	****	9.5	****	****	14.0
1.00	5.3	4.0	2.7	5.8	9.6	10.5	1.00	8.8	6.6	4.4	9.5	****	10.5
1.25	3.6	2.7	1.8	3.1	5.2	10.5	1.25	4.8	3.6	2.4	4.1	6.8	8.4
1.50	2.6	2.0	1.3	1.9	3.1	10.5	1.50	2.8	2.1	1.4	2.0	3.4	7.0
1.75	2.0	1.5	1.0	1.2	2.0	10.5	1.75	1.8	1.4	0.9	1.1	1.9	6.0
2.00	1.5	1.1	0.8	0.8	1.4	9.5	2.00	1.2	0.9	0.6	0.7	1.1	5.3
2.25	1.2	0.9	0.6	0.6	1.0	8.4	2.25	0.9	0.7	0.4	0.4	0.7	4.7
2.50	1.0	0.7	0.5	0.4	0.7	7.6	2.50	0.6	0.5	0.3	0.3	0.5	4.2
2.75	0.8	0.6	0.4	0.3	0.5	6.9	2.75	0.5	0.4	0.2	0.2	0.3	3.8
3.00	0.7	0.5	0.3	0.2	0.4	6.3	3.00	0.4	0.3	0.2	0.1	0.2	3.5

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

## Simple Supported Beam-Continuous Span



**Superpanel CT066**  
 24" wide x 1.25" depth  
 1500/1525/1625 Series



### Imperial

$E_b = 2.50 \text{ Msi}$        $G_b = 0.43 \text{ Msi}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 20,000 psi  
 $I_x = 1.01 \text{ in}^4/\text{ft}$        $S_x = 1.60 \text{ in}^3/\text{ft}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 4,500 psi  
 $A_w = 0.24 \text{ in}^2/\text{ft}$       Weight = 3.0 psf

Span (in)	Allowable Concentrated Load Tables (lb/ft width of panel)						Span (in)	Allowable Uniform Load Tables (lb/ft <sup>2</sup> )							
	L/D Ratios			Deflection (in)				Max. Service Load	L/D Ratios			Deflection (in)			Max. Service Load
	180	240	360	0.25	0.375	180			240	360	0.25	0.375			
12	****	****	****	****	****	606	12	****	****	****	****	****	600		
18	****	****	****	****	****	606	18	****	****	****	****	****	400		
24	****	****	475	****	****	606	24	****	****	****	****	****	300		
30	****	537	358	****	****	606	30	****	****	****	****	****	240		
36	550	412	275	****	****	606	36	****	****	195	****	****	200		
42	432	324	216	463	****	606	42	****	****	132	****	****	171		
48	346	259	173	324	487	606	48	****	139	93	****	****	150		
54	282	212	141	235	353	606	54	****	101	67	112	****	133		
60	234	176	117	176	264	606	60	101	76	50	76	114	120		
66	197	148	99	134	202	606	66	77	58	39	53	79	109		
72	168	126	84	105	158	606	72	60	45	30	38	57	100		
78	145	109	72	84	125	606	78	48	36	24	28	42	92		
84	126	94	63	67	101	606	84	39	29	19	21	31	83		
90	110	83	55	55	83	606	90	32	24	16	16	24	80		
96	98	73	49	46	69	606	96	26	20	13	12	19	75		

### Metric

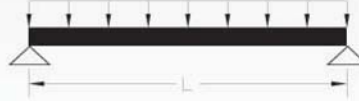
$E_b = 17.2 \text{ Gpa}$        $G_b = 2.9 \text{ Gpa}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 138 Mpa  
 $I_x = 1.39\text{E-}6 \text{ m}^4/\text{m}$        $S_x = 8.60\text{E-}5 \text{ m}^3/\text{m}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 31 Mpa  
 $A_w = 5.08\text{E-}4 \text{ m}^2/\text{m}$       Weight = 14.6 kg/m<sup>2</sup>

Span (m)	Allowable Concentrated Load Tables (kN/m width of panel)						Span (m)	Allowable Uniform Load Tables (kN/m <sup>2</sup> )							
	L/D Ratios			Deflection (mm)				Max. Service Load	L/D Ratios			Deflection (mm)			Max. Service Load
	180	240	360	6	10	180			240	360	6	10			
0.25	****	****	****	****	****	8.8	0.25	****	****	****	****	****	35.0		
0.50	****	****	8.6	****	****	8.8	0.50	****	****	****	****	****	17.5		
0.75	****	8.0	5.3	****	****	8.8	0.75	****	****	****	****	****	11.7		
1.00	7.0	5.2	3.5	7.5	****	8.8	1.00	****	****	7.5	****	****	8.8		
1.25	4.8	3.6	2.4	4.2	7.0	8.8	1.25	****	6.2	4.2	****	****	7.0		
1.50	3.5	2.6	1.8	2.5	4.2	8.8	1.50	5.1	3.8	2.5	3.6	****	5.8		
1.75	2.7	2.0	1.3	1.6	2.7	8.8	1.75	3.3	2.5	1.6	2.0	3.4	5.0		
2.00	2.1	1.6	1.0	1.1	1.9	8.8	2.00	2.2	1.7	1.1	1.2	2.0	4.4		
2.25	1.7	1.2	0.8	0.8	1.3	8.8	2.25	1.6	1.2	0.8	0.8	1.3	3.9		
2.50	1.4	1.0	0.7	0.6	1.0	8.8	2.50	1.2	0.9	0.6	0.5	0.8	3.5		
2.75	1.1	0.8	0.6	0.4	0.7	8.5	2.75	0.9	0.7	0.4	0.4	0.6	3.2		
3.00	1.0	0.7	0.5	0.3	0.6	7.8	3.00	0.7	0.5	0.3	0.2	0.4	2.9		

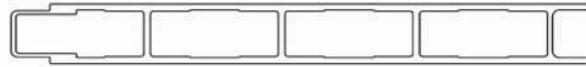
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

# SUPERPANEL CP150

## Simple Supported Beam-Single Span



**Superpanel CP150**  
20.5" wide x 2.5" depth  
1500/1525/1625 Series



### Imperial

$E_b = 2.80 \text{ Msi}$        $G_b = 0.50 \text{ Msi}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 25,000 psi  
 $I_x = 9.0 \text{ in}^4/\text{ft}$        $S_x = 7.2 \text{ in}^3/\text{ft}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 5,000 psi  
 $A_{Wf} = 1.6 \text{ in}^2/\text{ft}$       Weight = 6.8 psf      Solid Top Decking

Span (in)	Allowable Concentrated Load Tables (lb/ft width of panel)						Span (in)	Allowable Uniform Load Tables (lb/ft <sup>2</sup> )					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
	180	240	360	0.25	0.375	Max. Service Load		180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	5333	12	****	****	****	****	****	5333
18	****	****	4786	****	****	5333	18	****	****	****	****	****	3556
24	****	5283	3522	****	****	5333	24	****	****	****	****	****	2667
30	5258	3944	2629	****	****	5333	30	****	****	1788	****	****	2133
36	4014	3011	2007	5018	****	5333	36	****	1682	1121	****	****	1778
42	3137	2353	1569	3361	5042	5333	42	1487	1115	743	****	****	1524
48	2506	1879	1253	2349	3523	5333	48	1031	773	516	967	****	1333
54	2040	1530	1020	1700	2550	5333	54	742	557	371	619	928	1185
60	1689	1267	845	1267	1900	4800	60	551	413	276	413	620	1067
66	1420	1065	710	968	1452	4364	66	420	315	210	286	429	970
72	1208	906	604	755	1133	4000	72	327	245	163	204	306	889
78	1040	780	520	600	900	3692	78	259	194	130	149	224	821
84	904	678	452	484	726	3429	84	209	157	104	112	168	762
90	793	594	396	396	594	3200	90	171	128	85	85	128	711
96	700	525	350	328	492	3000	96	141	106	71	66	99	667

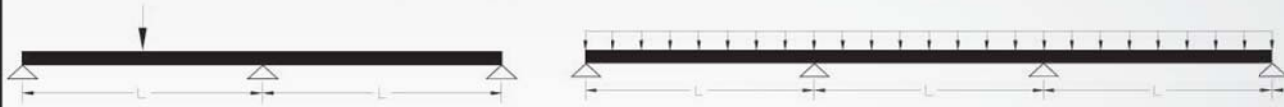
### Metric

$E_b = 19.3 \text{ Gpa}$        $G_b = 3.4 \text{ Gpa}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 172 Mpa  
 $I_x = 1.2\text{E-}5 \text{ m}^4/\text{m}$        $S_x = 3.9\text{E-}4 \text{ m}^3/\text{m}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 34 Mpa  
 $A_{Wf} = 3.4\text{E-}3 \text{ m}^2/\text{m}$       Weight = 33.2 kg/m<sup>2</sup>      Solid Top Decking

Span (m)	Allowable Concentrated Load Tables (kN/m width of panel)						Span (m)	Allowable Uniform Load Tables (kN/m <sup>2</sup> )					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
	180	240	360	6	10	Max. Service Load		180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	77.8	0.25	****	****	****	****	****	311.3
0.50	****	****	64.1	****	****	77.8	0.50	****	****	****	****	****	155.7
0.75	****	58.8	39.2	****	****	77.8	0.75	****	****	89.1	****	****	103.8
1.00	50.9	38.1	25.4	54.9	****	77.8	1.00	****	53.5	42.4	****	****	77.8
1.25	35.0	26.3	17.5	30.3	50.4	77.8	1.25	46.1	34.6	23.0	39.8	****	62.3
1.50	25.4	19.0	12.7	18.3	30.4	71.2	1.50	27.6	20.7	13.8	19.9	33.1	51.9
1.75	19.1	14.4	9.6	11.8	19.7	61.0	1.75	17.8	13.3	8.9	11.0	18.3	44.5
2.00	14.9	11.2	7.5	8.1	13.4	53.4	2.00	12.1	9.0	6.0	6.5	10.9	38.9
2.25	11.9	8.9	6.0	5.7	9.5	47.4	2.25	8.6	6.4	4.3	4.1	6.8	34.6
2.50	9.7	7.3	4.9	4.2	7.0	42.7	2.50	6.3	4.7	3.1	2.7	4.5	31.1
2.75	8.1	6.1	4.1	3.2	5.3	38.8	2.75	4.7	3.6	2.4	1.9	3.1	28.2
3.00	6.8	5.1	3.4	2.5	4.1	35.6	3.00	3.7	2.8	1.8	1.3	2.2	23.7

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

## Simple Supported Beam-Continuous Span



**Superpanel CP150**  
 20.5" wide x 2.5" depth  
 1500/1525/1625 Series



### Imperial

$E_b = 2.80 \text{ Msi}$        $G_b = 0.50 \text{ Msi}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 25,000 psi  
 $I_x = 9.0 \text{ in}^4/\text{ft}$        $S_x = 7.2 \text{ in}^3/\text{ft}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 5,000 psi  
 $A_W = 1.6 \text{ in}^2/\text{ft}$       Weight = 6.8 psf      Solid Top Decking

Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft <sup>2</sup> )								
		L/D Ratios			Deflection (in)		Max. Service Load			L/D Ratios			Deflection (in)		Max. Service Load
Span (in)	180	240	360	0.25	0.375	Span (in)		180	240	360	0.25	0.375			
12	****	****	****	****	****	4491	12	****	****	****	****	****	4444		
18	****	****	****	****	****	4491	18	****	****	****	****	****	2963		
24	****	****	4239	****	****	4491	24	****	****	****	****	****	2222		
30	****	****	3275	****	****	4491	30	****	****	****	****	****	1778		
36	****	3844	2563	****	****	4491	36	****	****	****	****	****	1481		
42	4077	3058	2039	4369	****	4491	42	****	****	1242	****	****	1270		
48	3299	2474	1650	3093	****	4491	48	****	****	882	****	****	1111		
54	2712	2034	1356	2260	3391	4491	54	****	970	647	****	****	988		
60	2263	1697	1131	1697	2545	4491	60	****	730	486	730	****	889		
66	1912	1434	956	1304	1956	4491	66	749	562	374	511	766	808		
72	1635	1226	817	1022	1533	4491	72	588	441	294	367	551	741		
78	1412	1059	706	815	1222	4491	78	469	352	235	271	406	684		
84	1231	923	616	660	989	4220	84	380	285	190	204	305	635		
90	1082	812	541	541	812	3939	90	312	234	156	156	234	593		
96	958	719	479	449	674	3693	96	259	194	130	121	182	556		

### Metric

$E_b = 19.3 \text{ Gpa}$        $G_b = 3.4 \text{ Gpa}$       Characteristic longitudinal compressive strength ( $F_L^c$ ) = 172 Mpa  
 $I_x = 1.2E-5 \text{ m}^4/\text{m}$        $S_x = 3.9E-4 \text{ m}^3/\text{m}$       Characteristic in-plane shear strength ( $F_{LT}^v$ ) = 34 Mpa  
 $A_W = 3.4E-3 \text{ m}^2/\text{m}$       Weight = 33.2 kg/m<sup>2</sup>      Solid Top Decking

Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m <sup>2</sup> )								
		L/D Ratios			Deflection (mm)		Max. Service Load			L/D Ratios			Deflection (mm)		Max. Service Load
Span (m)	180	240	360	6	10	Span (m)		180	240	360	6	10			
0.25	****	****	****	****	****	65.5	0.25	****	****	****	****	****	259.4		
0.50	****	****	****	****	****	65.5	0.50	****	****	****	****	****	129.7		
0.75	****	****	48.8	****	****	65.5	0.75	****	****	****	****	****	86.5		
1.00	****	49.2	32.8	****	****	65.5	1.00	****	****	****	****	****	64.9		
1.25	46.2	34.7	23.1	39.9	****	65.5	1.25	****	****	39.6	****	****	51.9		
1.50	33.9	25.5	17.0	24.4	40.7	65.5	1.50	****	36.5	24.3	35.0	****	43.2		
1.75	25.8	19.4	12.9	15.9	26.6	65.5	1.75	31.8	23.9	15.9	19.6	32.7	37.1		
2.00	20.3	15.2	10.1	10.9	18.2	65.5	2.00	21.9	16.4	10.9	11.8	19.7	32.4		
2.25	16.3	12.2	8.1	7.8	13.0	58.4	2.25	15.6	11.7	7.8	7.5	12.5	28.8		
2.50	13.3	10.0	6.7	5.8	9.6	52.6	2.50	11.5	8.7	5.8	5.0	8.3	25.9		
2.75	11.1	8.3	5.6	4.4	7.3	47.8	2.75	8.8	6.6	4.4	3.4	5.7	23.6		
3.00	9.4	7.1	4.7	3.4	5.6	43.8	3.00	6.8	5.1	3.4	2.4	4.1	21.6		

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.