Boise Cascade

Confidence —

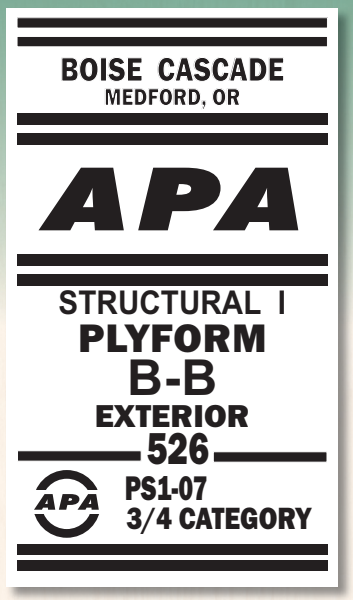
- APA—The Engineered Wood Association certified
- Unparalled credibility

Performance —

- Full ⅝" 7-ply, ¾" 7-ply, 1⅛" 9-ply construction
- Struct 1 available
- Dependable oil & edge sealed protection

Reliability —

- Rely on us for your critical pours
- Over 40 years of experience unwavering committed to quality



Boise Cascade Western Plyform is right for your next job.

Confidence

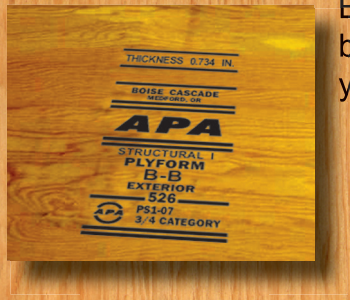
Boise Cascade Wood Products has experience producing Plyform that works every time, and APA—The Engineered Wood Association inspection ensures the consistent performance you need. We take pride in the products we produce. The extra steps we take in making and packaging Plyform make you look good on the job site.

Performance

Our Plyform is edge sealed with high quality dependable oil, which will reduce your labor costs. Plyform is available in Struct 1 & Class 1. Our red edge seal provides a barrier to reduce water and chemical penetration. Longer edge life will extend the life of the panel, which gives you more pours for your form dollar. Our full thick ⅝" 7-ply, ¾" 7-ply, 1⅛" 9-ply construction of Western species adds up to a stronger, more stable, longer-lasting panel.

Reliability

We have history of making high-quality forming panels. You can count on Boise Cascade Wood Products Plyform to work for you, pour after pour. In fact, we guarantee it to conform to specifications on every order. Layer upon layer of quality goes into making Boise Cascade Wood Products the best-performing Western Plyform you can buy.



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Concrete Pressures for Column and Wall Forms Pressures of Vibrated Concrete (psf) [a][b][c]

	50° F			75° F		
Pour Rate (ft/hr)	Columns	Walls		Columns	Walls	
		To 14'	15' & Over		To 14'	15' & Over
1	600	600	1070	600	600	810
2	600	600	1130	600	600	850
3	690	690	1190	600	600	890
4	870	870	1240	660	660	930
5	1050	1050	1300	790	720	970
6	1230	1230	1350	920	920	1010
7	1410	1410	1410	1050	1050	1050
8	1590	1470	1470	1180	1090	1090
9	1770	1520	1520	1310	1130	1130
10	1950	1580	1580	1440	1170	1170

(a) Maximum pressure need not exceed ***w*** x ***h***, where ***w*** is the unit weight of concrete (pcf), and ***h*** is maximum height of pour in feet.

(b) Based on Types I and III cement concrete with density of 150 pcf and 7 inch maximum slump, without additives, and a vibration depth of 4 feet or less.

(c) 600 psf is recommended minimum design pressure.

w = unit weight of concrete (pcf)	C_c = chemistry coefficient	***R*** = rate of pour, feet per hour
C_w = unit weight coefficient	***p*** = lateral pressure (psf)	***T*** = concrete temperature, degrees Fahrenheit
h = height of fresh concrete above point considered, feet (ft)		

Section Properties for Concrete Form Class I, and Structural Concrete Form[a]

		Properties for Stress Applied Parallel with Face Grain			Properties for Stress Applied Perpendicular to Face Grain		
Thickness (inches)	Approx. Weight (psf)	Moment of Inertia I (in. 4/ft)	Effective Section Modulus KS (in. 3/ft)	Rolling Shear Constant Ib/Q (in. 2/ft)	Moment of Inertia I (in. 4/ft)	Effective Section Modulus KS (in. 3/ft)	Rolling Shear Constant Ib/Q (in. 2/ft)
CLASS I							
15/32"	1.4	0.066	0.244	4.743	0.018	0.107	2.419
½"	1.5	0.077	0.268	5.153	0.024	0.130	2.739
19/32"	1.7	0.115	0.335	5.438	0.029	0.146	2.834
⅝"	1.8	0.130	0.358	5.717	0.038	0.175	3.094
23/32"	2.1	0.180	0.430	7.009	0.072	0.247	3.798
¾"	2.2	0.199	0.455	7.187	0.092	0.306	4.063
⅞"	2.6	0.296	0.584	8.555	0.151	0.422	6.028
1"	3.0	0.427	0.737	9.374	0.270	0.634	7.014
1⅛"	3.3	0.554	0.849	10.430	0.398	0.799	8.419
STRUCTURAL I							
15/32"	1.4	0.067	0.246	4.503	0.0121	0.147	2.405
½"	1.5	0.078	0.271	4.908	0.029	0.178	2.725
19/32"	1.7	0.116	0.338	5.018	0.034	0.199	2.811
⅝"	1.8	0.131	0.361	5.258	0.045	0.238	3.073
23/32"	2.1	0.183	0.439	6.109	0.085	0.338	3.780
¾"	2.2	0.202	0.464	6.189	0.108	0.418	4.047
⅞"	2.6	0.317	0.626	7.539	0.179	0.579	5.991
1"	3.0	0.479	0.827	7.978	0.321	0.870	6.981
1⅛"	3.3	0.623	0.955	8.841	0.474	1.098	8.377

(a) The section properties presented here are specifically for Plyform, with its special layup restrictions.

Recommended Maximum Pressures on Concrete Form Class I & Structrual I Plyform (psf)[a][c]

Face Grain Parallel to Supports[b] Plywood Thickeness (in.)

Support Spacing (in.)	15/32"		1/2"		19/32"		5/8"		23/32"		3/4"		1 1/8"	
CLASS I														
8	390	390	470	470	530	530	635	635	835	835	895	895	1850	1850
12	110	150	145	195	165	225	210	280	375	400	460	490	1145	1145
16	-	-	-	-	-	-	-	120	160	215	200	270	710	725
20	-	-	-	-	-	-	-	-	115	125	145	155	400	400
24	-	-	-	-	-	-	-	-	-	-	-	100	255	255
STRUCTRUAL I														
8	470	530	605	645	640	720	800	865	1190	1190	1275	1275	2640	2640
12	130	175	175	230	195	260	250	330	440	545	545	675	1635	1635
16	-	-	-	-	-	110	105	140	190	255	240	315	850	995
20	-	-	-	-	-	-	-	100	135	170	170	210	555	555
24	-	-	-	-	-	-	-	-	-	-	-	115	340	355

Face Grain Across to Supports[b] Plywood Thickeness (in.)

Support Spacing (in.)	15/32"		1/2"		19/32"		5/8"		23/32"		3/4"		1 1/8"	
CLASS I														
8	885	885	970	970	1195	1195	1260	1260	1540	1540	1580	1580	2295	2295
12	355	395	405	430	540	540	575	575	695	695	730	730	1370	1370
16	150	200	175	230	245	305	265	325	345	390	370	410	740	770
20	-	115	100	135	145	190	160	210	210	270	225	285	485	535
24	-	-	-	-	-	100	-	110	110	145	120	160	275	340
32	-	-	-	-	-	-	-	-	-	-	-	-	130	170
STRUCTRUAL I														
8	890	890	980	980	1225	1225	1310	1310	1590	1590	1680	1680	2785	2785
12	360	395	410	435	545	545	580	580	705	705	745	745	1540	1540
16	155	205	175	235	245	305	270	330	350	400	375	420	835	865
20	-	115	100	135	145	190	160	215	210	275	230	290	545	600
24	-	-	-	-	-	100	-	110	110	150	120	160	310	385
32	-	-	-	-	-	-	-	-	-	-	-	-	145	190

(a) Deflection limited to 1/360th of the span, 1/270th where shaded.

(b) Plywood continuous across two or more spans.

(c) ACI recommends a minimum lateral design pressure of 600 C_w but it need not exceed $p = wh$.

Design Loads for Slab Forms - Design Load (psf)

Slab Thickness (in.)	Non-motorized Buggies[a]	Motorized Buggies[b]
4	100[c]	125[c]
5	113	138
6	125	150
7	138	163
8	150	175
9	163	188
10	175	200

(a) Includes 50 psf live load for workers, equipment, impact, etc.

(b) Includes 75 psf live load for workers, equipment, impact, etc.

(c) Minimum design load regardless of concrete weight.

For information about Boise Cascade plywood products,
including sales terms and conditions, warranties and disclaimers,
Visit our website at www.bc.com/plywood

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