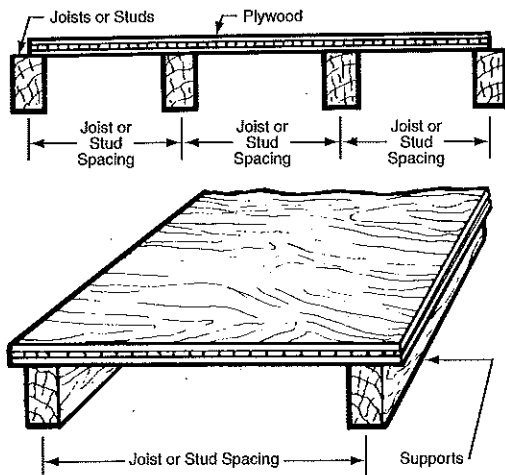


## Technical Data—Plywood

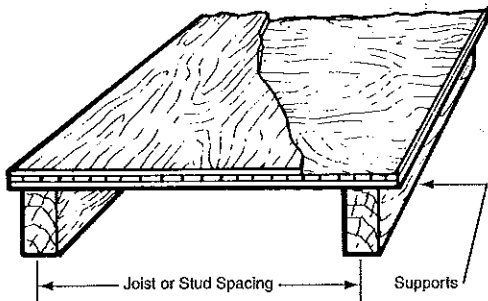
Data is based on information supplied by the American Plywood Association (APA). The recommended spacings listed in the following table are for Plyform Class 1 or STRUCTURAL 1 Plyform. Plyform is a special exterior type of plywood designed by APA for use in formwork for concrete construction.

Though not manufactured specifically for concrete forming, grades other than Plyform have been used in formwork. The spacings shown in the table give a good estimate of performance for sanded grades such as APA A-C Exterior, APA B-C Exterior and unsanded grades such as APA RATED SHEATHING Exterior and Exposure 1 (CDX) (marked PSI), provided the plywood is used in the same direction only.

For additional information on APA Plyform, please contact the American Plywood Association, P.O. Box 11700, Tacoma, WA 98411.



**Plywood Used Strong Way**  
Face Grain Across Supports



**Plywood Used Weak Way**  
Face Grain Along Supports

Safe Spacing in inches of Support for Plyform Sheathing Continuous Over Four or More Supports								
Design Load of Concrete Pounds Per Sq. Ft.	$F_b = 1,930 \text{ psi}$ ; Rolling Shear = 72 psi $E = 1,500,000 \text{ psi}$							
	Plyform Used Weak Way				Plyform Used Strong Way			
	19/32"	5/8"	23/32"	3/4"	19/32"	5/8"	23/32"	3/4"
100	13"	14"	17"	19"	20"	21"	23"	24"
125	12"	13"	16"	17"	19"	19"	22"	22"
150	11"	12"	15"	16"	17"	18"	20"	21"
175	10"	11"	14"	15"	17"	17"	19"	20"
200	10"	11"	14"	15"	16"	17"	18"	19"
225	10"	10"	13"	14"	15"	16"	18"	18"
250	9"	10"	13"	14"	15"	15"	17"	18"
275	9"	10"	12"	13"	14"	15"	17"	17"
300	9"	9"	12"	13"	14"	14"	16"	17"
350	8"	9"	11"	12"	13"	14"	15"	16"
400	8"	9"	11"	12"	13"	13"	15"	15"
500	7"	8"	10"	11"	12"	12"	14"	14"
600	7"	7"	9"	10"	11"	11"	13"	13"
700	6"	7"	9"	10"	10"	11"	12"	12"
800	6"	7"	8"	9"	10"	10"	11"	11"
900	6"	6"	7"	8"	9"	9"	10"	11"
1,000	5"	6"	7"	7"	9"	9"	10"	10"
1,200	5"	5"	6"	6"	8"	8"	9"	9"
1,400	4"	4"	5"	5"	7"	7"	8"	8"
1,600	4"	4"	5"	5"	6"	6"	8"	8"
1,800	4"	4"	4"	5"	6"	6"	7"	7"
2,000	3"	3"	4"	4"	5"	5"	6"	6"

Support spacings are governed by bending, shear or deflection.

Maximum deflection  $l/360$  of spacing, but not more than  $1/16"$ .

Contact Dayton/Richmond for safe spacing of supports when plyform is used over two or three supports.

**Curved Forms:** Plyform can be used for building curved forms. However, the following radii have been found to be appropriate minimums for mill run panels of the thicknesses shown, when bent dry. An occasional panel may develop localized failure at these radii.

Plywood Data				
Plywood Thick- ness	Approximate Weight, lbs.		Minimum Bending Radii, Ft.	
	4 x 8 Sheet	Sq. Ft.	Across Grain	Parallel to Grain
1/4"	26	.8	2	5
5/16"	32	1.0	2	6
11/32" or 3/8"	35	1.1	3	8
15/32" or 1/2"	48	1.5	6	12
19/32" or 5/8"	58	1.8	8	16
23/32" or 3/4"	70	2.2	12	20