

# OCM FINN FORM

## Product Data Sheet



### Strong • Long Life • Extremely Durable

OCM Finn Form has proudly become the standard by which other form panels are judged. Manufactured with 1.4mm rotary-cut birch veneers, even the thinnest panels provide uncommon strength with a smooth surface.

OCM Finn Form is bonded with a phenolic resin adhesive which is water and boil proof. The formaldehyde glue emissions are classified as E-1, the lowest available in the industry. Specify OCM Finn Form to assure high-performance.

**When the job requires numerous pours with consistent quality results select the best... OCM Finn Form.**

**Insure the results of your next project. Specify OCM Finn Form!**

**OCM Finn Form** – Hard, smooth Birch face Veneers with 120 grams of Phenolic resin thermally fused into both panel sides. All inner plies are solid Birch, for the strongest and most durable plywood forming panel available.

#### Proper Stud Application

The face grain should be perpendicular to stud supports.  
 Typical width: 4&5 feet.  
 Typical height: 8 to 12 feet.

#### Standard Sizes

8' x 4' 10' x 4' 12' x 4' 10' x 5'

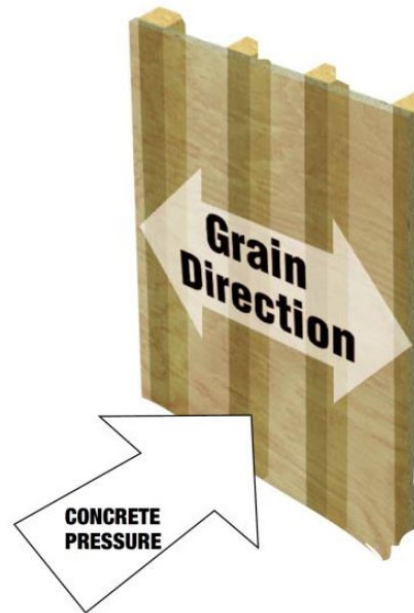
#### Standard Thicknesses

1/4" 3/8" 1/2" 5/8" 3/4"

Other sizes and thicknesses are available on special order.

Use these load tables as a general guide only. The data contained on this page is based on support spacings in inches clear span maximum. Deflection 1/270 or 1/16" (.0625) moisture content less than 19%.

**Note: This data reflects plywood used the strong way (the face grain is parallel to span).**



1/4" - 5-Ply Structural Data: M.O.E. 2,030,000							
5-1/2"	6"	8"	10"	11"	12"	13"	14"
S .0969 I 0.0124 f (bending) 3,600 lbs.							
1380	1162	654	418	346	290	248	219
Maximum Loads at Indicated Spans: (PSF)							
977	752	317	163	122	94	74	53

3/8" - 7-Ply Structural Data: M.O.E. 2,030,000							
6"	8"	10"	11"	12"	13"	14"	16"
S .0969 I 0.0124 f (bending) 3,600 lbs.							
2134	1200	768	636	534	456	392	300
Maximum Loads at Indicated Spans: (PSF)							
1972	831	426	320	246	194	155	104

1/2" - 9-Ply Structural Data: M.O.E. 2,030,000							
6"	8"	10"	12"	14"	16"	18"	20"
S .0969 I 0.0124 f (bending) 3,600 lbs.							
3453	1942	1243	683	634	486	384	311
Maximum Loads at Indicated Spans: (PSF)							
4247	1792	917	531	343	224	157	115

5/8" - 12-Ply Structural Data: M.O.E. 2,030,000							
8"	10"	12"	14"	16"	18"	20"	22"
S .0969 I 0.0124 f (bending) 3,600 lbs.							
3237	2072	1439	1057	809	639	518	429
Maximum Loads at Indicated Spans: (PSF)							
3839	1966	1137	716	480	337	245	195

3/4" - 14-Ply Structural Data: M.O.E. 2,030,000							
8"	10"	12"	14"	16"	18"	20"	22"
S .0969 I 0.0124 f (bending) 3,600 lbs.							
4316	2762	1918	1409	1079	853	691	572
Maximum Loads at Indicated Spans: (PSF)							
6168	3158	1828	1153	772	541	395	297

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### Usage Instructions

- Lightly coat panels prior to first use and subsequent pours with a chemically activated release agent. This simplifies stripping and cleaning and provides a more uniform concrete finish.
- Limit the rate of pour to that assumed in the overall design. Use rubber tipped vibrators to avoid face damage.
- Strip with care. Use wooden wedges. Never use metal bars or prys.
- Clean panels with water jets and stiff brushes. Never use wire brushes or instruments.
- Use a polyurethane synthetic coating to reseal all exposed edges (Carbide tipped saws are recommended for cutting).

### Allowable Stress Values and Modulus of Elasticity PSI (All Birch)

Property	Dry	Concrete Formwork
Extreme Fiber Stress in Bending	3,600	3,250
Compression in Plane of Panel	2,500	2,100
Rolling Shear Stress	100	95
Modulus Elasticity (free from shear)	2,200,000	1,850,000

### Section Properties of OCM Finn Form

Section Modulus Values have been multiplied by a factor of 0.85.

Description		Number of Piles	Area for Direct Stress In <sup>2</sup> /Ft	Movement of Inertia I In <sup>2</sup> /Ft	Section Modulus KS In <sup>2</sup> /Ft	Rolling Shear Constant IB/Q In <sup>2</sup> /Ft
Stress Parallel to Face	Finland Form 1/4" All Birch	5	1.6540	0.0130	0.0870	2.6050
	Finland Form 3/8" All Birch	7	2.2240	0.0340	0.1570	3.2390
	Finland Form 1/2" All Birch	9	2.7935	0.0693	0.2454	4.3311
	Finland Form 5/8" All Birch	12	3.3631	0.1576	0.4148	5.5493
	Finland Form 3/4" All Birch	14	4.5022	0.2449	0.5507	6.6723
	Finland Form 1" All Birch	18	5.6413	0.5062	0.8813	8.3988
Stress Perpendicular to Face	Finland Form 1/4" All Birch	5	1.1390	0.0040	0.0470	1.4590
	Finland Form 3/8" All Birch	7	1.7090	0.0160	0.0160	2.7160
	Finland Form 1/2" All Birch	9	2.2782	0.0387	0.1869	3.3744
	Finland Form 5/8" All Birch	12	3.4173	0.1021	0.3477	5.0825
	Finland Form 3/4" All Birch	14	3.4173	0.1696	0.4826	5.6742
	Finland Form 1" All Birch	18	4.5564	0.3807	0.8156	7.4506

**NOTE:** Section properties are for a panel width = 12.00 inches.

### Shoring Plywood

OCM Finn Form is compliant with OSHA regulations concerning plywood in trench shoring.

Regulations state that plywood needs to be a true 3/4"(.750) 14-Ply Artic White Birch construction and OCM Finn Form comply with this specification. Note that this plywood is not intended as a structural member, but only for prevention of local raveling between.

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