

# Birch Plywood

**Better plywood, better performance... better forming!**

The best concrete appearance comes from using the best form face. That's why we've chosen birch plywood as the standard SureBuilt form face.

Using 100% birch plywood provides exceptional performance and appearance, including:

- The birch wood has a tight grain structure, exhibiting greater strength than fir plywood, while resisting moisture absorption.
- The multi-ply manufacturing process provides strength and uniform flatness by using long and short grain directional veneers.
- The top two layers of each face are inspected, patched and smoothed, eliminating surface degradation from underlying veneer collapse.
- The 220/220 phenolic overlay, both front and back, prevents moisture absorption, eliminates grain transfer, and extends useful life.
- The exposed plywood edges of cut-to-size pieces are spray sealed after sawing to minimize water penetration and absorption.

Of course, all forming systems and job-built gangs should be treated with form release before concrete placement to maximize form life and reduce cleaning.



*Long-lasting 1/2" birch plywood is the standard form face for SurePly panels and fillers.*



*Long-lasting 3/4" birch plywood is the standard form face for Quick-Form panels.*

*Engineering data listed on following page.*

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**Allowable concrete pressures (psf) for birch plywood with face grain perpendicular to supports.**

Panel support: Face grain perpendicular to supports and continuous across three or more 1-1/2" supports.

Service conditions: Wet service conditions (moisture content exceeds 19%).

Duration of load: Seven days.

Limiting deflection: Deflection includes bending and shear deformations.

Standard sizes: 3/8" (9mm), 1/2" (12.5mm), 5/8" (15.9mm), 3/4" (19mm), 7/8" (21mm) and 1" (24mm)

Deflection Limited to 1/270 of Span (psf)						
C-C Span	Nominal thickness					
	3/8"	1/2"	5/8"	3/4"	7/8"	1"
8"	859	1,746	2,230	2,678	2,972	3,401
12"	234	553	995	1,511	1,842	2,150
16"	--	229	429	678	872	1,197
19.2"	--	130	248	399	520	728
24"	--	--	126	206	271	386

Deflection Limited to 1/360 of Span (psf)						
C-C Span	Nominal thickness					
	3/8"	1/2"	5/8"	3/4"	7/8"	1"
8"	644	1,382	2,230	2,678	2,972	3,401
12"	176	414	746	1,133	1,421	1,884
16"	--	171	322	508	654	898
19.2"	--	--	186	300	390	546
24"	--	--	--	155	204	290