

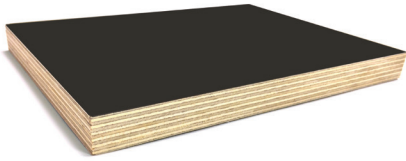


# *X*ACT<sub>2</sub>FORM

## **SUPERIOR PERFORMANCE IN APPEARANCE-GRADE CONCRETE FORMING**

Strong and durable with exceptional re-usability, Xact2form is the commercial builder's choice for free-form, gang-form and frame-system applications.





# XACT<sub>2</sub>FORM

Siberian birch offers a tight grain cell structure and unprecedented strength characteristics.

**Xact2form is the commercial builder's choice for free-form, gang-form and frame-system applications, from iconic bridges and residential towers to sports arenas, parking structures and office buildings across the U.S.**

**Manufactured from 100% Siberian birch, Xact2form plywood concrete forms meet the highest standards for durability, strength and smoothness.**

- Multi-ply hardwood Siberian birch construction delivers unique durability and strength
- 220/220 Phenolic Saturated Film PSF (face and back) designed for superior performance and smooth architectural concrete finish
- Industry leader in value/cost-per-pour by offering extraordinary number of re-uses
- Two-step layup manufacturing process brings an exceptionally smooth surface, eliminating grain transfer often seen with one-step processes
- Long-grain construction produces excellent stability and versatility for both horizontal and vertical pours

## PRODUCT STANDARDS & SPECIFICATIONS

Certified according to the international standard ISO 9001, Xact2form's performance meets or exceeds the following international standards:

- PS 1-09 United States of America
- BFU 100 DIN 68705 Germany TU
- 5512-002-002273235-95
- STP 17-02-97 Eastern Europe

## XACT2FORM STANDARD PANEL THICKNESS

6 mm (1/4") - 5 ply	12.5 mm (1/2") - 9 ply	19 mm (3/4") - 14 ply
9 mm (3/8") - 7 ply	15.9mm (5/8") - 12 ply	28 mm (1 1/8") - 19 ply

## PANEL CARE

Panels must be inspected and cleaned prior to pouring of concrete, and any cut-outs or holes should be fully edge-sealed with an acrylic based paint to avoid water penetration. Do not cover faces with excess paint during repairs, and avoid damaging the panels with rebar. Excessive damage to the PSF surface can limit number of reuses.

## STORAGE

Panels should be stored on a dry level surface away from direct sunlight.

## FORM TREATMENTS

Xact2form panels are factory edge-sealed using waterproof acrylic paint MC-M120 MS-M120, but are not release-agent coated. Panels should be thoroughly cleaned after each pour, and surface treated with recognized release agent such as Noxcrete PCS or PCE to ensure long life and superior concrete finishes.

We recommend that you consult with your treatment supplier to find the product best suited to your application and climatic conditions.



**Featured Project:** Duke Energy Center Charlotte, North Carolina.

Plywood MSDS sheets are available upon request.

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

- Panel support criteria: Face grain perpendicular to supports and continuous across three or more supports, each having a minimum support width of 1.5 inches
- Service conditions: Wet service conditions (moisture content exceeds 19%)
- Duration of load: Seven days
- Limiting deflection: Deflection includes bending and shear deformations

## DEFLECTION LIMITED TO 1/270TH OF THE SPAN

Nominal thickness (mm)

C-C Span (in)	9	12.5	15.9	19	21	24	27	28	30
8	859	1746	2230	2678	2972	3401	3764	3900	4193
12	234	553	995	1511	1842	2150	2330	2414	2596
16	-	229	429	678	872	1197	1506	1629	1880
19.2	-	130	248	399	520	728	930	1011	1199
24	-	-	126	206	271	386	501	548	658

## DEFLECTION LIMITED TO 1/360TH OF THE SPAN

Nominal thickness (mm)

C-C Span (in)	9	12.5	15.9	19	21	24	27	28	30
8	644	1382	2230	2678	2972	3401	3764	3900	4193
12	176	414	746	1133	1421	1884	2303	2414	2596
16	-	171	322	508	654	898	1130	1222	1431
19.2	-	-	186	300	390	546	697	758	899
24	-	-	-	155	204	290	376	411	493

## Available exclusively from Central National:

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