

XACT<sub>2</sub>FORM<sup>®</sup>



Tampa International Airport (TPA) Parking Garage One



Forming the future

**dih.**  
PASSION FOR WOOD



Plywood panels are designed for superior performance and appearance grade concrete forming.

Manufactured from 100% Birch, slow grown in the chilly Siberian forests, this wood species is chosen for its tight grain cell structure and un-precedent strength characteristics. Xact2form® is a 100% Birch panel offering LONG and SHORT GRAIN face directional veneer in a multi-ply construction.

### Xact2Form®

- are standard good 2 side panels.
- are standard 220/220 Finnish PSF (Phenolic Saturated Film).
- is the only 100% Birch panel offering LONG and SHORT GRAIN face directional veneer in a multi-ply construction.
- is produced in a two-step lay-up manufacturing process, which gives an exceptionally smooth uniform surface virtually eliminating grain transfer, more commonly found in a one step process.
- is an engineered multi-ply lay-up, which provides exceptional panel flatness.
- top two layers on each face are fully wood patched, effectively eliminating surface degradation after multiple re-uses due to face veneer collapse.
- offers the lowest cost per pour of any architectural panel available today.
- used in free form, gang form or engineered frame system applications.

#### Product Standards & Specifications:

The mill quality system is certified according to the international standard ISO 9001, and meets or exceeds the following international standards:

- PS 1-07 United States of America
- BFU 100 DIN 68705 Germany TU
- 5512-002-002273235-95
- STP 17-02-97 Eastern Europe

#### Standard Panel Sizes:

4'x8' (1220x2440 mm) – Long and short grain available  
 Special orders: Jumbo panels: Up to 93" x 222" (2.4 m x 5.7 m), 12 mm thru 18 mm.

#### Standard Panel Thickness:

6 mm – 5 ply	12.5mm – 9 ply	19 mm – 14 ply
9 mm – 7 ply	15.8 mm – 12 ply	28 mm – 19 ply

Special thickness upon request.

#### Storage:

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

#### Panel Care:

It is important that all panels are inspected and cleaned prior to pouring of concrete, and that any cut-outs and holes are fully edge-sealed with an acrylic based paint to ensure that water penetration is eliminated. Avoid covering faces with excess paint during repairs.

#### Form Treatments:

Panels are factory edge-sealed using waterproof acrylic paint MC-MI20 MS-MI20, but 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.

Plywood MSDS sheets are available upon request. Warning: Extreme care must be taken when transporting or walking on Xact2form® decks. The panels are designed to provide smooth surfaces to concrete.

#### 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 1-1/2 inches.
- Service conditions: Wet service conditions (Moisture content exceeds 19%)
- Duration of load: Seven days duration
- 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	15.8	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	15.8	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

DLH Xact2form® is limited to an exclusive stocking distribution network; please call 336-852-8341 for a distributor in your area.



DLH A/S – 2307 West Cone Blvd., Suite 200 – Greensboro, NC 27408, USA  
 Phone: 336 852-8341 – Fax: 336 852-2645 – panels@dlh-group.com – www.dlh-panels.com