

POURFORM-HDO®

Pourform-HDO—PREMIUM POURFORMance

Pourform-HDO concrete-forming panels are ideal for high-rise and other large-scale projects and wherever a high quality finish is required. Specially engineered for demanding gang-form and system applications, Pourform-HDO panels provide exceptional strength and reusability. When the job demands premium performance, Pourform-HDO delivers. Anything less costs you more.

Superior Overlays for Durability and Finish

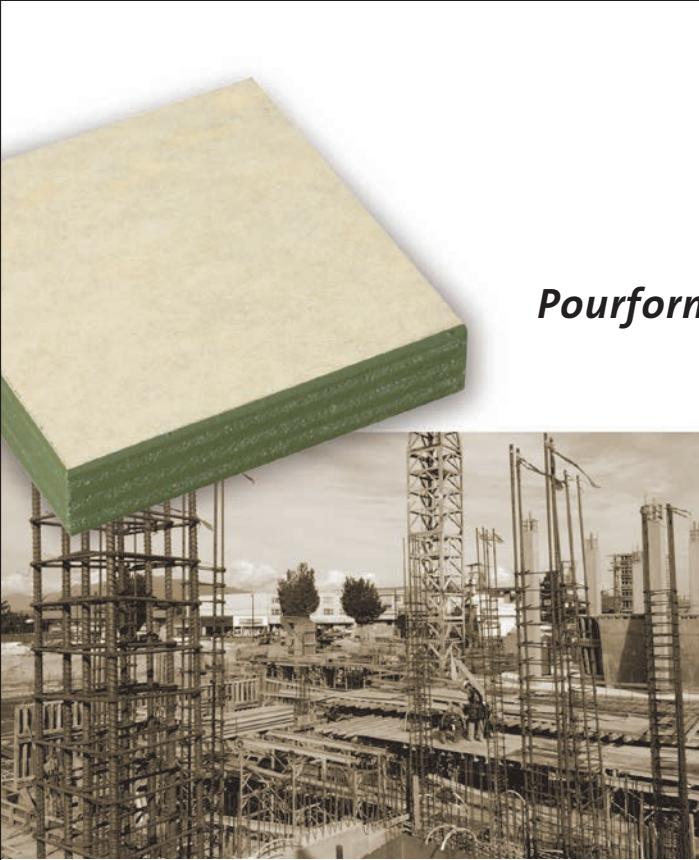
Pourform-HDO panels produce a consistently smooth, glossy concrete surface, eliminating sugaring and minimizing finishing requirements. When manufactured, the panels are overlaid with a yellow-colored high-content phenolic resin-impregnated cellulose fiber sheet. The overlay is bonded to the plywood substrate under high heat and pressure. This forms a hard, durable surface that resists abrasion and moisture and makes the panel easy to strip from concrete surfaces. The overlay also protects the wood substrate from the rigors of site construction, including exposure to water and alkali solutions.

Overlay Combinations to Match your Job

Pourform HDO is available with four overlay combinations to suit your exact needs and with only minor variations in cost. The nomenclature on the four combinations represent the approximate weight of overlay (lbs per 1,000 SF) on the panel faces and backs (face/back). All panel faces have an MDO underlay with either one or two HDO Cap sheets.

OVERLAY COMBINATIONS		FACE	BACK	SURFACE FINISH
100/30	G1S	1 MDO 1 HDO	– 1 HDO	Semi-gloss with moderate grain/patch transference
100/100	G2S	1 MDO 1 HDO	1 MDO 1 HDO	
120/30	G1S	1 MDO 2 HDO	– 1 HDO	Medium gloss with minor grain/patch transference
120/120	G2S	1 MDO 2 HDO	1 MDO 2 HDO	

Good-1-Side (G1S) panels have a backer sheet to inhibit moisture penetration and to help maintain dimensional stability.



Engineered for Long Serviceability

Pourform-HDO (100) should give from 15–25 or even more reuses. Pourform-HDO (120) should give 30 or more reuses. This will vary according to overlay combination, application (vertical vs horizontal), service conditions, form maintenance and handling, and form release quality (N.B. see Form-Release Agent on other side of this sheet).

Pourform Plus Series available with dense hardwood faces:

- Exceptionally smooth concrete surfaces
- No patch and Minimal Grain Transfer
- Improved resistance to alkalinity, water, abrasion and wear
- Dramatically increased reuse performance with consistent results
- Pourform-HDO Plus (100) 25–35 or even more reuses
- Pourform-HDO Plus (120) 40–50 or even more reuses
- Lower lifetime panel costs

POURFORM-HDO®

Constructed and Edge-sealed for Extra Strength

Pourform HDO Plus is an APA Certified Custom Product manufactured with a dense hardwood face. The structural properties of the dense hardwood faces meet or exceed the requirements of PS 1 Table 1, Group 1 species. These panels meet or exceed the structural requirements of PS 1-09, Table 1, group 1 species.

Edges are sealed with a specially formulated edge seal (Nox-Crete Edge Flex 645) designed to work in a highly alkaline, wet environment. Cut or exposed edges should be resealed to prevent moisture absorption and panel swelling.

Form Maintenance

Use wood wedges, tapping gradually when stripping forms. Metal pry bars should not be used as they will damage the panel surface and edges. Forms should be cleaned immediately after stripping. Concrete buildup should be removed using a wooden or plastic scraper, stiff fiber brush or burlap sack. Projecting nails should be withdrawn to prevent scarring of the panels when stacked. Panels should be stacked flat, face to face and out of the sun to prevent surface checking and cupping.

For further details, ask your dealer for a copy of the Pourform Care and Handling pamphlet or go to our website www.savonapourform.com and click **Products**.

Pourform—More pours per panel

Form-Release Agent

Pourform-HDO panels are not factory treated with any release coating. It is recommended that each panel be coated lightly with a quality chemically active release agent (Nox Crete® or equivalent) prior to the first and with each subsequent use.

Do not use form-release agents that contain diesel fuel, mineral spirits or motor oil as these may soften and eventually degrade both the overlay and the panel itself. Using such agents will reduce or void the warranty.



Formwork Design

Pourform-HDO is constructed with the grain direction of the face and back veneers running parallel to the long edges of the panel. Panels should therefore always be applied perpendicular to supports to minimize deflection.

Engineering Data

Pourform-HDO concrete-forming panels are manufactured under quality assurance by APA—The Engineered Wood Association to meet or exceed PS 1. Engineering data are provided in the following tables.

STRESS TABLE

NOMINAL THICKNESS: (in)	ALLOWABLE OR WORKING STRESS DESIGN CAPACITIES							
	FACE GRAIN ACROSS SUPPORTS				FACE GRAIN ALONG SUPPORTS			
	1/2"	5/8"	11/16"	3/4"	1/2"	5/8"	11/16"	3/4"
BENDING RESISTANCE: M or F _b S (lb-in/ft)	717	974	1,266	1,444	379	597	859	868
BENDING STIFFNESS: EI* (lb-in ² /ft)	158,232	263,966	391,327	478,780	45,734	90,278	168,009	172,185
PLANAR SHEAR CAPACITY: V or F _v lb/Q (lb/ft)	467	586	577	605	252	316	468	470

* Increases EI 10% when bending and shear deflection are calculated separately (see Plywood Design Specification, APA Form Y510) | Wet stresses | 1.25 DOL for M and V included.

LOAD TABLE: (LBS PSF)

SPAN (INCHES)	FACE GRAIN ACROSS SUPPORTS								FACE GRAIN ALONG SUPPORTS							
	1/2"		5/8"		11/16"		3/4"		1/2"		5/8"		11/16"		3/4"	
	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360
4	3,735	3,735	4,685	4,685	4,616	4,616	4,843	4,843	2,018	2,018	2,531	2,531	3,746	3,746	3,760	3,760
6	2,075	2,075	2,603	2,603	2,565	2,565	2,691	2,691	1,121	1,121	1,406	1,406	2,081	2,081	2,089	2,089
8	1,344	1,344	1,802	1,802	1,776	1,776	1,863	1,863	711	643	974	974	1,441	1,441	1,446	1,446
12	597	551	812	797	1,055	1,055	1,153	1,153	246	184	446	334	716	594	723	580
16	316	237	457	362	594	510	677	593	100	75	187	140	339	254	337	253
19.2	183	137	286	214	408	306	470	361	70	53	133	100	224	181	226	181
24	93	70	148	111	214	161	255	192	35	26	67	51	123	93	124	93
28	58	43	93	70	136	102	163	122								
32	38	29	62	47	91	68	110	83								

Assumes three spans, wet stresses and 1.25 DOL for strength. | Net support width = 1-1/2 in

Panel Specifications

Standard sizes are 4' x 8'/9' or 10' x 1/2", 5/8", 11/16", 3/4" thick. Other thicknesses and dimensions are available on special order.

NOMINAL THICKNESS (IN.)	# OF PLYS	THICKNESS TOLERANCES	LBS PER SQ FT	PANELS PER PKG
1/2"	5	± 1/32"	1.5	69
5/8"	5	± 1/32"	1.8	55
11/16"	7	± 1/32"	2.1	50
3/4"	7	± 1/32"	2.2	46



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