



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.

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.

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 underlayment with either one or two HDO Cap sheets.



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

OVERLAY COMBINATIONS	FACE	BACK	SURFACE FINISH
100/30	G1S	1 MDO 1 HDO	– 1 HDO
100/100	G2S	1 MDO 1 HDO	1 MDO 1 HDO
120/30	G1S	1 MDO 2 HDO	– 1 HDO
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.

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**.

STRESS TABLE

NOMINAL THICKNESS: (mm)	ALLOWABLE OR WORKING STRESS DESIGN CAPACITIES							
	FACE GRAIN ACROSS SUPPORTS				FACE GRAIN ALONG SUPPORTS			
12.5mm	15.5mm	17.5mm	19.0mm	12.5mm	15.5mm	17.5mm	19.0mm	
BENDING RESISTANCE: M or $F_b S$ (N-mm/mm)	266	361	469	535	141	221	319	322
BENDING STIFFNESS: $E I \times 10^6$ (N-mm²/mm)	1.49	2.49	3.68	4.51	0.43	0.85	1.58	1.62
PLANAR SHEAR CAPACITY: V or $F_s lb/Q$ (N/mm)	6.81	8.55	8.42	8.84	3.68	4.62	6.83	6.86

* 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: (kN/m²)

SPAN (mm)	FACE GRAIN ACROSS SUPPORTS						FACE GRAIN ALONG SUPPORTS					
	12.5mm		15.5mm		17.5mm		19.0mm		12.5mm		15.5mm	
L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	L/270	L/360	
102	179	179	224	224	221	221	232	232	97	97	121	121
152	99	99	125	125	123	123	129	129	54	54	67	67
203	64	64	86	86	85	85	89	89	34	31	47	47
305	29	26	39	38	51	51	55	55	12	9	21	16
406	15	11	22	17	28	24	32	28	5	4	9	7
488	9	7	14	10	20	15	23	17	3	3	6	5
610	4	3	7	5	10	8	12	9	2	1	3	2
711	3	2	4	3	7	5	8	6				
813	2	1	3	2	4	3	5	4				

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

Panel Specifications

Standard sizes are 1220 mm x 2440 mm / 2745 mm / 3050 mm x 12.5 mm / 15.5 mm / 17.5 mm / 19.0 mm thick. Other thicknesses and dimensions are available on special order.

NOMINAL THICKNESS	# OF PLIES	THICKNESS TOLERANCES	kg/m ²	PANELS PER PKG
12.5 mm	5	-0.5; +1.0 mm	7.3	69
15.5 mm	5	-0.5; +1.0 mm	8.8	55
17.5 mm	7	-0.5; +1.0 mm	10.2	50
19.0 mm	7	-0.5; +1.0 mm	10.7	46

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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 to CSA 0121 standards under quality assurance by APA—The Engineered Wood Association. Engineering data are provided in the following tables.

SSP Savona Specialty Plywood

For more information, please contact:

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