

# QUALITY ALL-DOUGLAS FIR PANELS

## Crown 44

17.5 mm Crown 44 is a 100% Douglas Fir panel that meets or exceeds COFIFORM SP Plus and CSA 0121 for MDO Concrete Form. The Crown 44 product has had a 50 year history of job site performance. The original green high flow in the highest available 37% resin content is applied to one or two sides. Crown 44 is a high quality multiple re-use panel which produces matte finished concrete.



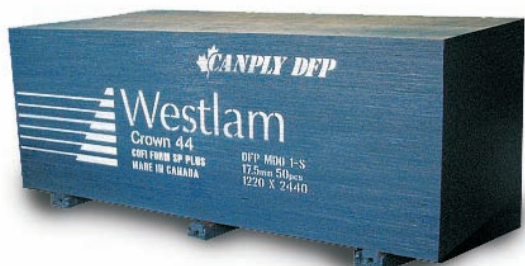
### Features and Benefits:

- 100% Douglas Fir for maximum strength.
- Highest 37% resin content overlay for maximum re-use.
- Full piece inner-plys for a more solid panel.
- Panel edges are putty filled for better moisture resistance.
- Nox-crete chemically active release agent is applied for optimum performance.
- All veneer comes from SFI (Sustainable Forestry Initiative) sources.
- Certified by Certiwood™ (CANPLY MARK)
- CE Certification

### Construction Standards:

Crown 44 is constructed with 7 plys of high strength Douglas Fir veneer. The high flow overlay is applied in a one step process. All adhesives used are fully waterproof phenolic resins that meet exterior CSA gluebond standards. Available sizes 1220x2440, 610x2440, 1250x2500.

- **Release Treatment** – Panels are factory coated on both sides with Nox-Crete Form Coating, a high quality water-based chemically active release agent. Panels must be lightly coated with a suitable release agent prior to the first and each subsequent use.
- **Edge Seal** – Panels are factory sealed with a dark blue, aluminized, resin rich alkyd coating to provide moisture resistance.



Center to Center Span (mm)	Allowable Pressure (kN/m <sup>2</sup> ) for the Indicated Plywood Thickness		METRIC
	17.5mm (7 ply)		
	L/270	L/360	
100	216	216	
150	119	119	
200	83	83	
400	32	24	
600	11	8.2	
800	4.9	3.7	

Face Grain Perpendicular to Supports (38mm width)

Center to Center Span (mm)	Allowable Pressure (kN/m <sup>2</sup> ) for the Indicated Plywood Thickness		METRIC
	17.5mm (7 ply)		
	L/270	L/360	
100	176	176	
150	97	97	
200	67	67	
400	18	14	
600	5.8	4.4	
800	2.5	1.9	

Face Grain Parallel to Supports (38mm width)



**CONCRETE PERFORMANCE.**

# CARE AND HANDLING



## Care and Handling

Crown 44 is a quality plywood panel designed to provide the maximum number of re-uses possible. In order to achieve the full potential for these products, the following Care & Handling procedures are required:

- **Storage** – Crown 44 should be stored flat on a dry, level platform, under shelter or otherwise protected. Steel straps should be cut and the forming surface of the top panel covered. Avoid prolonged exposure of the panel surface to direct sunlight to minimize surface degradation.
- **Form Fabrication** – Crown 44 can be readily worked with good quality hand or power tools (carbide tipped saw blades are recommended). Panels should be fixed to forming members with screws. If concrete appearance is a factor, screws should be countersunk and filled. Panel joint leakage or detail can be reduced by filling joints with a suitable sealant between panel edges. While panels are edge sealed at the factory, any field cuts or holes that expose wood should be resealed with 2 coats of high quality polyurethane varnish to reduce moisture absorption.

## Release Treating

Crown 44 is factory coated with Nox-Crete water based chemically active release agent. Before first use, and after each pour, an equivalent chemically active release agent must be applied. Do not use any form release agents that contain diesel fuel, solvents or engine oil. These will degrade the overlay surface and will affect performance. We recommend using Nox-Crete release agents. With highly alkaline mixes, Nox-Crete can suggest a range of release agents for improved form life.

## Concrete Placement

Crown 44 is resistant to abrasion and impact. However, as with any surface, it can be damaged through improper use. The rate of pour and slump factor of the concrete must be limited to that assumed in the design of the form. To minimize form damage, rubber tipped vibrators are recommended and should be used for consolidation only. Vibrators should never be used for moving concrete horizontally in the forms.

## Stripping and Cleaning

With proper release treatment stripping is easy. Do not force panels with metal pry bars, or allow panels to be dropped. Use wooden wedges to loosen panels. Clean panels right after stripping before any residue hardens. Use non scratching tools such as stiff non metallic brushes and plastic or wood scrapers. Once cleaned, remove all nails and screws, re-oil panels and stack face to face to prevent rapid drying of the wood and overlay surface.

## Panel Repairs

Damaged areas should be scraped down to dry clean wood. Two component epoxy or polyurethane fillers can be trowelled on and sanded smooth after hardening.



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Located in Langley, British Columbia, Canada, Westlam employs approximately 100 people including a dedicated sales and customer service staff who represent the company's products to customers worldwide.

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