

# ENHANCED FLOW MDO PLYFORM

Enhanced Flow MDO, produced at our Rogue River, OR facility, is Murphy's top-of-the-line MDO plyform for concrete forming applications. Enhanced Flow is perfect for projects requiring exposed concrete with a smooth, matte surface.

High manufacturing standards and leading concrete panel technology create a panel with increased performance characteristics. When properly used and maintained, Murphy Enhanced Flow MDO allows for more pours per panel than our premium M-Pour panel, and considerably more than a standard BB plyform.

At its core, Murphy Enhanced Flow MDO is manufactured with durable, quality Douglas fir veneers. An extended panel life results in significant jobsite waste reduction. Labor and material savings are a powerful by-product of a long-lasting concrete form panel.

## ENHANCED FLOW FEATURES

A major cost component of a concrete building project is concrete formwork. Having a plyform panel which can be reused multiple times equates to savings. Murphy Enhanced Flow MDO is the smart choice for a high quality, high-performance, and low maintenance concrete panel.

A 37% resin content MDO (medium density overlay) is bonded to the face veneer of the panel. This particular overlay results in a superior smooth, matte finish. Enhanced Flow MDO is perfect for concrete that will be coated, painted and exposed.

Murphy Enhanced Flow MDO's matte surface also helps hold release agents uniformly to reduce blotchiness from uneven hydration. Additionally, it has improved chemical resistance, enhanced alkalinity resistance, and better form oil retention for easier cleanup.

Murphy applies a release agent as part of the panel manufacturing process. Additionally, the panel edges are sealed with a specially formulated sealer to resist water, alkali and sunlight exposure. The overall result is a more durable and cost effective panel than traditional BB concrete form.

## GREEN AND CERTIFIED

The glue used to manufacture M-Pour APA certified wood panels is safe for both suppliers and builders.

Panels manufactured in accordance with the Engineered Wood Association PS 1 standard use phenol formaldehyde, a waterproof adhesive that is highly durable and stable resulting in low formaldehyde emissions.

APA rated panels use moisture resistant adhesives that are exempt from U.S. HUD and California formaldehyde regulations due to these very low emissions.

*Please ask us about our engineered concrete form products including scaffold plank and concrete form beams.*



## SPECIFICATIONS

**Description:** One side MDO BCX Structural 1 Concrete Form

**Size:** 48" X 96" + 0, - 1/16"

**Thickness:** 3/4"

**Construction:** 7 ply Douglas fir

**Overlay:** 37% resin content MDO

**Edge Seal:** Willamette Valley Form Seal (Gray #15)

**Release Agent:** Nox-Crete™ Form Coating E

\* Panels meet APA PS1-19 specifications

*Specifications subject to change without notice*

M - Pour Allowable Stress Design Load Capacities (lbs/ft <sup>2</sup> )				
Support Spacing (in.)	Face Grain Across Supports		Face Grain Parallel Supports	
	3/4		3/4	
Size	3/4		3/4	
Deflection	<u>L/270</u>	<u>L/360</u>	<u>L/270</u>	<u>L/360</u>
4.0	5225	5225	4140	4140
8.0	2009	2009	1592	1592
12.0	1244	1244	804	747
16.0	712	712	375	281
19.2	494	391	251	196
24.0	253	189	127	95
30.0	124	93	26	19

Source: APA Engineer Calculations

## CARE AND HANDLING

### Preparation:

MDO panels are edge sealed at the mill with a high quality, water based coating. During form work construction, plywood edges are often exposed by sawing and drilling. These edges should be sealed. This slows down the penetration of water which can cause panel swelling, edge failure, and staining.

### Stripping:

Metal bars or pry bars should not be used on plywood because they will damage the panel surface and edge. Use wood wedges, tapping gradually when necessary.

### Cleaning and Release Agent Application:

Soon after removal, plywood forms should be inspected for wear, cleaned, repaired, refinished and lightly treated with a form-release agent before reusing. Use a hardwood wedge and a stiff fiber brush for cleaning (a metal brush may cause wood fibers to "wool"). Light tapping on the backside with a hammer will generally remove hard scale concrete. Tie holes may be patched with metal plates, plugs or plastic materials. Nails should be removed and holes filled with patching plaster, plastic wood, or other patching material.

### Handling and Storage:

Care should be exercised to prevent panel chipping, denting and corner damage during handling. Panels should never be dropped. The forms should be carefully piled flat, face to face and back to back, for hauling. Forms should be cleaned immediately after stripping and can be solid-stacked or stacked in small packages, with faces together. Panels should be stored on a dry level surface away from direct sunlight.



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