

## FORMWORK PLYWOOD

# MDO FORM

MDO FORM is a plywood product from TEKCOM with natural brown medium density overlay material, which provides less wood-grain transfer or telegraphing on working surfaces. MDO FORM is suitable for construction requiring matte concrete finish.

- Cost-effective solution
- Markable surface
- Matte finish for coated concrete



## CARB P2/EPA

### Wood Materials

Legally sourced plantation wood.

### Bonding & Formaldehyde Emission (FE)

Class 3 | EN 314-1:1993 & E1 | EN 717-2:1995  
(also satisfying Carb P2 | US Standard)

### Panel Construction

Water Proof bonding with cross-band outer veneer layers.

Panel density:  $\geq 630\text{kg/m}^3$  | EN 323:1993.  
Moisture Content:  $\leq 12\%$ , leaving mill.

### Panel Surface & Performance

Light-brown MDO face ( $\geq 280$  grams/ $\text{m}^2$  on 1 or 2 working side(s).  
Panels with a single working face have a raw veneer back.  
Alkalinity resistance | AS 6669-2016  
Good wear resistance ( $>700$  revolutions on Taber test - MDO side).

### Standard Sizes

1,220 x 2,440 mm, 1,250 x 2,500 mm,  
or cut-to-size as buyer's request.  
Size tolerance (width/ length):  $\pm 1.0$  mm | EN 324-1:1993  
Squareness tolerance: 1.0 mm/m | EN 324-2:1993

### Standard Thicknesses

15mm, 18mm, 21mm  
Thickness tolerance according to  
EN 315:2000 standard.

### Origin

Made in Vietnam.



## Mechanical Properties

<b>Min bending strength</b>			
Parallel to the width of panel	N / mm <sup>2</sup>	54	EN 310:1993
Parallel to the length of panel	N / mm <sup>2</sup>	40	
<b>Mean modulus of elasticity</b>			
Parallel to the width of panel	N / mm <sup>2</sup>	5,400	EN 310:1993
Parallel to the length of panel	N / mm <sup>2</sup>	4,000	

## Edge Color

Edges of MDO FORM panel are painted black.

## Packaging

Panels are packed in crates with metal/ plastic straps, suitable for loading/ unloading by forklifts.

Thickness	Crates per container (*)	Cubic meter per container	Maximum net weight
15 mm	14	40	28,50 metric tons (**)
18 mm	14		
21 mm	14		

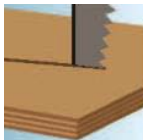
(\*) TEKCOM always loads the materials in 40'HC containers (FCL).  
 (\*\*) In case of different regulation, payload shall be adjusted accordingly.

## Good Site Practices



### Appropriate Conditions of Storage

Store panels in a dry, clean, well-ventilated, roofed area. Avoid extreme temperature and moisture. Panels must not be placed in contact with the ground. Separate crates from each other with clean, dry and strong spacers of uniform thickness, suitable for loading/unloading by forklifts.



### Standard Tools

Panels should be cut, shaped and drilled by using standard wood-working tools. Recommended blade diameter ~ 350 mm, thickness ~ 3.5 mm, number of teeth > 100, and rotational speed 3,000 - 3,600 rpm.



### Edges & Holes Sealing

Seal resulting raw edges, holes, and all damaged areas with appropriate water-resistant/ proof paint.



### Avoidance of Falls or Drops

Workers at site need to handle (carry, install, remove, etc.) panels properly and do not drop or let them fall from high levels or directly hit other materials or the ground.

## Pouring Number

MDO FORM is designed for use up to 15 times (MDO sides, whole piece).

However, the actual number will also be affected by different factors such as storage conditions, construction methods, concrete components, as well as types of concrete and additives used during construction.

## Suitability for Use and Warranty

Nothing herein constitutes a warranty expressed or implied, including any warranty of merchantability of fitness for use, nor is protection from any law or patent to be inferred.

The exclusive remedy for all claims is replacement of materials. Contact the sales office for a copy of the complete TEKCOM Terms and Conditions of Sale.

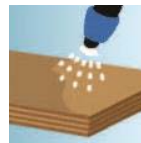
## Other Conformities & Compliances

In case FSC certificate or others are required, contact the sales team for further information.

## Warnings:

This product will generate wood dust from sawing, sanding, or shaping.

Material safety data sheets are available upon request.



### Application of Release Agent.

Even though the PSF overlay contains a certain amount of release agent, it is necessary that panels should be coated with suitably approved oil to ensure a cleaner and easier striking, as well as reusage.



### Reverse Side Fastening

Panels should be fastened to formwork support components from the reverse side with screws. Shank nails are not recommended.



### Cleaning after Use

Formwork plywood panels should be cleaned with water after use to remove concrete residues and other sticking materials on their surface. Suitable care is required to avoid damaging panels.



### Recycling and end of the lifespan use

At the of their lifespan the panels can be chipped and used in bioenergy production at your local power plant.

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