Au-Mex ltd.
all about wood

Wiremesh F/W PLYWOOD

FOR VEHICLE FLOORS & INDUSTRIAL FLOORS

WIREMESH PLYWOOD is the line with anti-slip film surface. The board has good resistance to wear and tear. The product is designed suitable for industrial projects: raw material tankers, liquefied gas carriers, warehouse floors, factory floors, and for transport works: truck floors, container floors, vehicle floor

- Excellent load capacity
- Good wear resistance
- Sustainable bonding

Applications

- Industrial floor
- Deck carrying liquefied petroleum gas
- Vehicles floor

bsi
ISO 9001 Quality Management Systems CERTIFIED
ISO 14001 Environmental Management CERTIFIED

Wood Materials
Legally sourced plantation wood

Bonding & Formaldehyde Emission (FE)
Class 3 | EN 636:2003
E1 | EN 717-2:1995

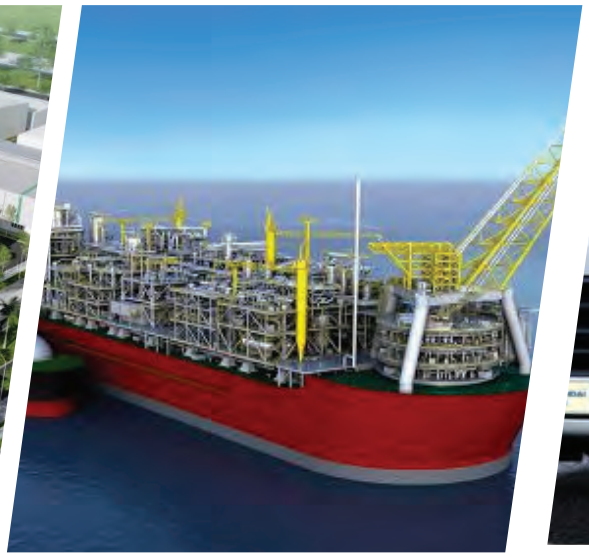
Panel Contruction
The plywood is bonded together with water-resistant phenolic glue.
Panel density: ≥ 650kg/m³ | EN 323:1993
Moisture content: ≤ 12%, leaving mill | EN 322:1993

Panel Surface & Performace
Phenolic-wire-mesh film: 130 g/m² or 185 g/m² dark brown
Alkaline resistance
Good wear resistance (≥550 or ≥330 revolutions)

Standard Sizes
1,220 x 2,440mm, 1,250 x 2,500mm
Thickness tolerance:
(+ 0.2 + 0.03t) mm
(- 0.4 + 0.03t) mm
Thickness tolerance within 1 panel: ≤ 0.6mm
Thickness tolerance according to EN 315:2000 standard
Size tolerance (Width & length): 1mm/1m | EN 324-1:1993
Squareness tolerance: 1mm/1m | EN324-2:1993

LEGAL SOURCE

Standard Sizes
9mm, 12mm, 15mm, 18mm, 21mm, 24mm, 27mm, 30mm



Mechanical Properties

Standard

Min bending strength			
Parallel to the width of panel	*N / mm²*	*30*	*EN 310:1993*
Parallel to the length of panel	*N / mm²*	*50*	
Mean modulus of elasticity			
Parallel to the width of panel	*N / mm²*	*3,000*	*EN 310:1993*
Parallel to the length of panel	*N / mm²*	*5,000*	

Outstand structure (vertically)

Min bending strength			
Parallel to the length of panel	*N / mm²*	*55*	*EN 310:1993*
Parallel to the width of panel	*N / mm²*	*40*	
Mean modulus of elasticity			
Parallel to the length of panel	*N / mm²*	*5,500*	*EN 310:1993*
Parallel to the width of panel	*N / mm²*	*4,000*	

Packing Specification

Panel are packed in crates with plastic straps, suitable for loading/ unloading by forklifs.

Packaging Volume

Thickness	***Crates per container***	***Cubic meter per container***	***Maximum net weight***
9 mm (5 ply)	*14*	*40*	*28.50 metric tons*
12 mm (7 ply)	*14*		
15 mm (9 ply)	*14*		
18 mm (11 ply)	*14*		
21 mm (13 ply)	*14*		
24 mm (15 ply)	*14*		
27 mm (17 ply)	*14*		
30 mm (19 ply)	*14*		

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.

Other Conformities & Compliances

In case FSC Certificate or orthers are required, contact our 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.

Good Site Practices:

Proper storage conditions

Panels should be stored in a clean, dry, and well-ventilated covered area to maintain material integrity. Avoid exposure to extreme temperatures or high humidity levels. Crates must be separated using clean, dry, and sturdy spacers of uniform thickness, ensuring safe and efficient handling during forklift loading and unloading.

Use the right tools

The panel should be cut, shaped and drilled by using standard woodworking tools. For optimal performance, use a saw blade with a diameter of 350 mm, thickness of 3.5 mm, number of teeth >100 and rotational speed 3,000 - 3,600 rpm.

Positioning matters

Store plywood panels in a horizontal position, ensuring they are elevated and not in direct contact with the ground. This prevents moisture absorption and potential warping.

Avoide impact damage

Plywood panels must be handled with care during transport, installation, and removal. Do not drop panels, allow them to fall from heights, or strike them against hard surfaces or other materials, as this may cause edge damage, surface delamination, or structural weakening.

Reverse side fastening

Plywood panels should be securely fastened to formwork support structures from the reverse side using screws. The use of shank nails is not recommended.

Recycling is plywood's friend

At the end of their service life, plywood panels can be processed into wood chips and utilized as a renewable fuel source for bioenergy production at your local power plant.

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