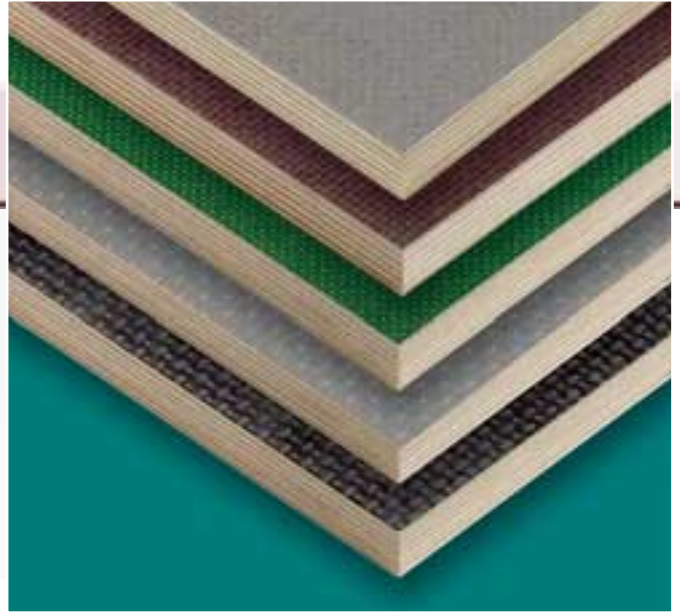


# FINNFOREST DECK

## PRODUCT

FINNFOREST Deck is a phenolic film-surfaced, thin veneer (1.4 mm) plywood, with a rough wire mesh inlay imprinted into the panel surface during overlay. It has a smooth reverse side and sealed edges. The wire texturing on dark brown FINNFOREST Deck plywood can also be applied to both sides of the panel. The rough-surfaced FINNFOREST Deck is an extremely durable, multipurpose plywood floor panel.



## BASE PLYWOOD

The base plywood of **FINNFOREST Deck** is strong FINNFOREST Birch, which is bonded with a weather and boil-resistant phenolic resin adhesive. Designed for use on truck and trailer floors, thick, 24, 27 and 30 mm birch plywood panels can be ordered with specially oriented veneer structures, which provide an even higher load-bearing capacity.

## OVERLAY

The panel is overlaid with a phenolic film, and a rough wire mesh inlay is pressed into the surface during hot-pressing. The phenolic film is also applied to the reverse side, but this side is normally smooth. The film weight of FINNFOREST Deck plywood is 120 g/m<sup>2</sup>. Wire mesh inlays are also available with 220 g/m<sup>2</sup> films by order. Other overlay weights are available by order.

## FILM COLOUR

Normally dark brown. Other standard colours are light brown and green. Grey (light or dark) and black can also be special ordered. The FINNFOREST Deck colour is even due to the wire mesh pattern.

## EDGE SEALING

Brown acrylic paint is normally used. Edge seal colours can be special ordered to match the film surface colour.

## WIRE MESH SURFACE PROPERTIES

The FINNFOREST Deck wire mesh surface has a hard, rough texture. The surface is highly resistant to abrasion and rolling, and will not crack. The wire mesh surface of FINNFOREST Deck is also resistant to moisture and most common chemicals, and can be easily cleaned with water or steam. The colour of the film surface will change over the years due to UV rays in sunlight.

**Abrasion resistance/Taber:** approx. 350 revolutions (120 g/m<sup>2</sup>)  
approx. 900 revolutions (220 g/m<sup>2</sup>)

Roller test with 200 kg weight 8000 revolutions (in accordance with SS 92 35 08)

## FORMALDEHYDE EMISSIONS

Determined according to EN 717-2, the formaldehyde emitted by the wire mesh surface is 0.2 mg HCHO/h.m<sup>2</sup>, which falls below the Class E1 requirement of 3.5 mg HCHO/h.m<sup>2</sup>.

## BONDING CLASSES

Standard plywood panels are bonded with phenolic resin adhesive (WBP, BFU, AW, exterior), are resistant to weather and boiling water, and meet the following international bonding standards: SFS-EN 314-2/Class 3, (former) BS 6566 Part 8/type WBP, DIN 68705/BFU 100. The panel also meets EN 636-3 standard requirements.

## PANEL STRENGTH PROPERTIES

FINNFOREST Deck strength and elastic properties are practically identical to standard plywood types. Panel strength and elastic properties can be found in the Metsäteollisuus ry Plywood Handbook.

## THICKNESSES, NUMBER OF PLYS AND TOLERANCES

mm	6,5	9	12	15	18	21	24	27	30
number of plies	5	7	9	11	13	15	17	19	21
maximum, mm	6,9	9,5	12,5	15,3	18,1	20,9	23,7	26,8	29,9
minimum, mm	6,1	8,8	11,5	14,3	17,1	20,0	22,9	25,2	28,1

## SIZES

1200x1200/2400/2650/2700/3000/3660mm  
 1220x1220/2440/3050/3660 mm  
 1250x1250/2500 mm  
 1500x1500/2400/2500/2700/3000/3660 mm  
 1525x1525/2440/3050/3660 mm  
 Other sizes are available by order. Scarf-jointed panels are also available by special order, with max. dimensions of 12,000x2700 mm

## TOLERANCES

Measured in accordance with standard SFS-EN 324, the plywood size and squareness tolerances meet SFS-EN 315 requirements and, in certain instances, exceed them.  
 The maximum standard thickness is 30 mm.

	Size tolerance	Other tolerances
Length/width (mm)	mm	
<1000	±1	Squareness ±0.1%
1000-2000	±2	Edge straightness ±0.1%
>2000	±3	

## MACHINING

FINNFOREST Deck plywoods can be special ordered with edge machining and predrilled.

## PACKING

Plywood panels are packed on pallets as follows:

		Number of panels per pallet (by thickness)								
Panel size, mm	mm	6,5	9	12	15	18	21	24	27	30
1500/1525 x 2400...3660										
1200/1220/1250 x 3000...3660	pcs	90	65	50	40	35	30	25	25	20
1500/1525 x 1500...2135										
1200/1220/1250 x 1200...2700	pcs	140	100	75	60	50	45	40	35	30

The approx. gross weight of a plywood pallet is 710 kg/m<sup>3</sup>.

## QUALITY CONTROL

In addition to Finnforest's own quality control, the Technical Research Centre of Finland (VTT) oversees production operations and their internal quality control at Finnforest plywood mills, and makes continuous strength specifications and inspections. External plywood quality control will continue to be conducted in accordance with CE standards. The EN ISO 9001:2000 Quality Management system is also applied.

## APPLICATIONS

Vehicle floors, railway waggon floors, pedestrian bridges, parking facilities, warehouse and factory hall floors, warehouse shelves, loading docks, ship decking, piers. In general applications that require highly wear-resistant and rough surfaces.

## FURTHER INFORMATION

*Finnforest Plywood Brochure*  
*Finnforest Plywood Handbook (1997)*  
*Vänerikäsikirja (Plywood Handbook), Metsäteollisuus ry, 2001*  
[www.finnforest.com](http://www.finnforest.com)

Finnforest plywoods are manufactured with the industry's best, most reliable methods and materials. Product development keeps pace with developments in technology and raw materials. Finnforest offers the customer state-of-the-art products and is actively involved in product development. As Finnforest reserves the right to alteration of its products and the materials used in them without consulting other parties, existing product information is subject to change.