

**FINNFOREST XL**

finnforest

# FINNFOREST XL

Finnforest XL is a large size panel with a one piece surface overlay. The core plywood panel is scarf-jointed from standard size panels. The maximum size of Finnforest XL is 6000 x 2200 mm.

Products available as XL panels:

- **Finnforest Form XL**  
is birch plywood with a smooth phenolic film overlay and sealed edges. The film can be either double sided or the other side can be wood faced. It is a multipurpose panel for different uses in building, transport industry, concrete and element industry, agriculture where a hard wearing surface is needed.
- **Finnforest Deck XL**  
is phenolic film-surfaced birch plywood with wire mesh inlay imprinted into the panel surface during overlay. It has a smooth reverse side with or without film overlay and sealed edges. The rough-surfaced Finnforest Deck XL is an extremely durable, multipurpose plywood floor panel.

## SCARF-JOINT

Scarf-joints are bonded with weather resistant resin. The interval between the scarf-joints varies according to panel thickness and the length of the panel, normally ca. every 1500 mm.

## EDGE SEALING

Finnforest XL panel edges are usually sealed against moisture absorption with acrylic paint. Standard colour is dark brown, but the edge seal can also be ordered to match the surface film colour. Even though edge sealing hinders the absorption of moisture into the panel, it does not eliminate it completely.

## FILM COLOUR

Standard colours for smooth phenol film overlay are dark brown, yellow and grey, and for wire mesh phenol film overlay dark brown and black. Other overlay colours are available on request. The phenol film is not UV resistant and the colour may change slightly if exposed to sunlight over prolonged periods.

## SURFACE PROPERTIES

Finnforest XL panels have similar surface properties to standard Finnforest Form and Deck plywood panels. The surface is hard and withstands abrasion, is moisture resistant and can tolerate commonly used chemicals as well as diluted acids and alkalis. The surface is easy to clean with water or steam.

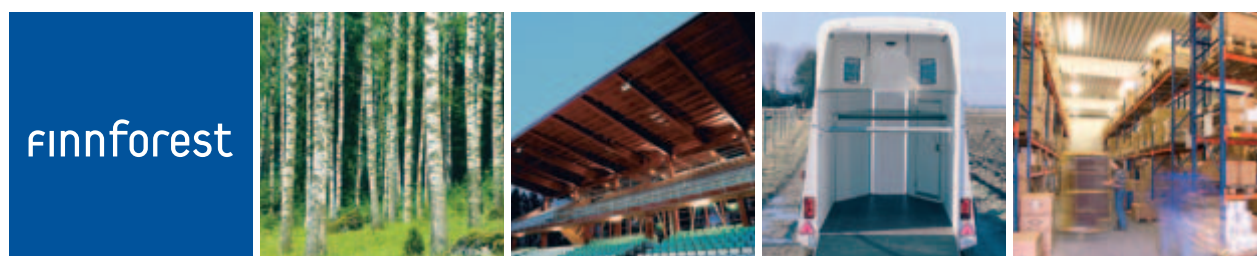
	Taber revolutions*	Rolling wear**
Form	900	-
Form yellow	1100	-
Deck	900	5000

\*) Abrasion resistance is tested according to DIN 53799/EN 438 until overlay is penetrated. Taber value is an approximate number of revolutions before first signs of penetration occur.

\*\*\*) Resistance to rolling wear is determined by method corresponding to SS 923508. Rolling wear is an average calculated from the random rolling movements with a load of 200 kg before the first signs of breakdown occur. The values are indicative and are valid for new unused panels.

## STRENGTH AND ELASTICITY PROPERTIES

The strength values of Finnforest XL in the longitudinal direction of the panel are ca. 70% of standard Finnforest Birch plywood values. In the cross direction of the panel the strength values are similar to standard Finnforest Birch plywood. Stiffness values in both directions are similar to standard Finnforest Birch plywood.



## APPLICATIONS

- **Form XL**

Finnforest Form XL applications include smooth concrete casts, cassette systems and concrete element industry, transport equipment containers, trailer side boards, horse trailers, sliding doors, agricultural structures (interior cladding for barns, livestock pens, silos, etc.), stages and sport stands. In general applications that require single large panels to facilitate and accelerate installation or provide structures with a high degree of rigidity.

- **Deck XL**

Finnforest Deck XL applications include bus, truck, trailer and van floors; passenger car floors, railway wagon floors, container floors, warehouse shelves, warehouse and factory hall floors, parking facilities, loading docks, ship decking, piers, stages and sport stands. In general applications that require highly wear-resistant and rough surfaces and applications that require single large panels to facilitate and accelerate installation or provide structures with a high degree of rigidity.

## THICKNESSES, STRUCTURES AND THICKNESS TOLERANCES

mm	9	12	15	18	21	24	27	30
number of plies	7	9	11	13	15	17	19	21
maximum, mm	9,5	12,5	15,3	18,1	20,9	23,7	26,8	29,9
minimum, mm	8,6	11,3	14,1	16,9	19,8	22,7	25,0	27,9

## PANEL SIZES

The first measurement indicates the orientation of the surface veneer grain.

- max. 6000 mm x 2200 mm  
Other sizes are available on request.

## SIZE TOLERANCES

		Tolerance
Length / width	1000-2000 mm	±2 mm
	2000-6000 mm	±3 mm
Squareness		±0.1 % or ±1 mm / m
Edge straightness		±0.1 % or ±1 mm / m

## WEIGHTS

mm	9	12	15	18	21	24	27	30
kg/m <sup>2</sup> (approx.)	6,3	8,4	10,5	12,6	14,7	16,8	18,9	21,0

## PACKING

Finnforest XL panels are packed in covered pallets. The panel wear face is facing up in the packing.

## QUALITY CONTROL

In addition to Finnforest's own quality control, the VTT Technical Research Centre of Finland oversees production operations and the internal quality control at Finnforest plywood mills. Finnforest XL meets the requirements of plywood specification EN 636. The EN ISO 9001:2000 Quality Management system is also applied.

## THE ENVIRONMENT

Finnforest plywood is manufactured from wood, which is a renewable natural resource. Finnforest plywood has the right to use the PEFC-logo, which ensures that the raw material is sourced from sustainably managed forests.

## WASTE HANDLING

Disposal of Finnforest plywood products can be carried out by several methods. It should be noted that the instructions for disposal may vary in different countries depending on current legislation. Recycling of plywood by utilizing it in other applications is always preferred, but Finnforest plywood products can be safely burnt when the combustion temperature is at least 850°C and correct combustion conditions are maintained. The products can also be composted but the panels have to be chipped and the long duration of the composting process has to be taken into consideration. In addition, the products can be taken to a refuse dump, although plywood products rot very slowly. Finnforest plywood products contain nothing classified as hazardous waste.

## SALES CONTACTS

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Finnforest is a wood products company delivering service-oriented solutions developed in collaboration with its customers, especially in the areas of industrial construction and transportation industry as well as home and lifestyle. Our premium solutions are based on ecological, high quality Nordic wood raw material, and by using them our customers can contribute to better environment and living. Our sales total 1.4 billion euros and we employ 4.500 professionals in 20 countries. We comprise one of the corAe businesses of the Finnish forest industry group Metsäliitto.

# finnforest

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Finnforest reserves the right to change the range without notice.

