



FINNFOREST KING SIZE

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Finnforest King Size panels are extra large panels jointed by a special method in the grain direction of the surface veneer. Uncoated and the coated panels mentioned below are scarf-jointed from standard size panels. The largest available panel size is 13700 mm x 2800 mm.

Products available as King Size panels:

- **Finnforest Birch**
- **Finnforest Form**
- **Finnforest Deck**
- **Finnforest SP**

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. Scarf-joints appear as a faint line across the panel on both sides of the panel.

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.

SURFACE PROPERTIES

Finnforest King Size panels have the same surface properties as the original panels, possibly with slight colour differences between the jointed panels. The scarf-joint may also cause some variation in the thickness. The phenol film is not UV resistant and the colour may change slightly if exposed to sunlight over prolonged periods.

STRENGTH AND ELASTICITY PROPERTIES

The strength values of Finnforest King Size 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

Finnforest King Size applications include bus, truck, trailer and van floors; passenger car floors; container floors, walls and ceilings; concrete moulds; structural elements; ship decking and packaging. In general Finnforest King Size is used for applications requiring single large panels to facilitate and accelerate installation or to 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

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PANEL SIZES

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

- max. 13700 mm x 2800 mm
Other sizes are available on request.

SIZE TOLERANCES

		Tolerance
Length / width	1000-2000 mm	±2 mm
	2000-6000 mm	±3 mm
	> 6000 mm	±5 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 ² (approx.)	6,3	8,4	10,5	12,6	14,7	16,8	18,9	21,0

PACKING

Finnforest King Size 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.



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Finnforest delivers competitive solutions developed according to customer needs, especially to those in the industrial building and transportation vehicle industry as well as the home and lifestyle area. Our solutions are based on high-quality and ecological Nordic wood as a raw material, and by using these solutions our customers can contribute to a better environment and quality of life. Our sales total over 1 billion euros and we employ approximately 4,000 professionals in 20 countries. We form one of the core businesses of the Metsäliitto Group.

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Finnforest reserves the right to change the range without notice.

