

# KoskiSound



## Sound insulation plywood

KoskiSound is Finnish birch plywood with 4,0 mm sound barrier in the middle of the board. Boards are composite structures made out of plywood and sound absorbing material. It is an ideal acoustic material for Marine, Railway and ground Transportation.

KoskiSound is suitable for exterior and interior uses. Less fuel consumption and reduction of CO<sub>2</sub> emissions can be achieved by using KoskiSound. Materials are free of hazardous substances like PVC, heavy metals and formaldehyde.

KoskiSound is suitable especially for floors for railway wagons, bus floors, shipbuilding, engine compartment.



LOW  
EMISSION






EASY  
MACHINING



ECO-  
FRIENDLY



ACOUSTIC

-  Good sound reduction properties
-  Good strength and stiffness properties
-  Light weight



**KOSKISEN**

# KoskiSound



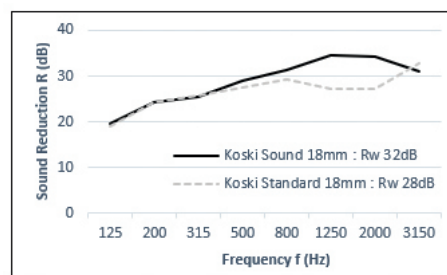
## Technical specifications

<b>Base plywood</b>	Koskisen Finnish birch plywood
<b>Bonding</b>	Phenolic resin according to EN 314-2/ class 3 exterior conditions Formaldehyde emission levels of panels fulfil requirements of Class E1 (EN13986), CARB Phase II, ULEF (Ultra Low Emitting Formaldehyde)
<b>Coating</b>	Can be coated on request.
<b>Standard thicknesses</b>	16, 18 and 22 mm. Thickness tolerance +/- 1.0 mm Other thicknesses on request.
<b>Standard sizes</b>	Up to 1450 x 3000 mm
<b>Fire classifications</b>	95/28EC approval, buses E17 118R11, buses
<b>Machining</b>	Drilling of holes edge machining like T&G, chamfer and rebate on request.
<b>Other data</b>	Detailed technical values can be found in Koskisen's Declaration of Performance (DoP). Please visit <a href="http://koskisen.com/download">koskisen.com/download</a> .

### Sound reduction

Thickness	Sound reduction Rw dB	Weight kg / m <sup>2</sup>
16	31	9,9 - 11,4
18	32	11,1-12,8
22	32	13,7-15,7

The sound reduction index R is measured in accordance with EN ISO 10140-1:2016 / EN ISO 10140-2:2010 and the weighted sound reduction index Rw is determined in accordance with ISO 717-1:2013.



## Additional information

### Environment

Our raw material, wood is an ecological and renewable material and it stores carbon during its whole life cycle. Koskisen plywood products are manufactured in Finland according to the strictest sustainability principles. Koskisen is a pioneer in the Finnish forest industry in paying attention to the environment and the wood's supply chain is always known in detail. Finnish forests are primarily privately owned and the owners are guided by a strong commitment to long-term forestry and forest cultivation. Yearly, Finnish forests grow more than they are harvested. This guarantees a sustainable and environmentally sound raw material.

### Additional information

Wood is a living material and every panel is unique. Therefore a photograph or a sample piece cannot represent a full sized panel as regards colours, shades, figure, knots etc. Please note that a slight colour variation is accepted between panels.

The information, although based on extensive testing, is intended as a guideline only and comes without warranty. We reserve the right to amend specifications without notice. Any defects other than those caused by clearly verified production or service faults by the supplier are the responsibility of the user. Any claim for compensation is limited to the value of the defective panels. The Seller makes no guarantee that the goods are fit for a particular purpose, unless it provides a written declaration of their suitability.



### Koskisen Panel Industry

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