

# KoskiSound F



## EN 45545-2

KoskiSound F is a birch plywood panel offering new features such as fire-resistance combined with good sound reduction. KoskiSound F is made of Finnish birch plywood with composite sound barrier. The faces of the board are coated with a specially designed overlay, which provides greater fire protection combined with high bond strength.

The combined possibilities of improved fire-resistance, excellent bonding strength and high quality birch plywood provide a solution for the innovative design.

KoskiSound F is suitable especially for train's and tram's floors.



FIRE  
RESISTANT



ACOUSTIC



EASY TO USE



LOW  
EMISSION



EASY  
MACHINING



ECO-  
FRIENDLY

-  Improved fire-resistant properties fulfilling the demanding requirements of EN 45545-2
-  Multiple use - surfaces can be painted or overlaid
-  Achieves R10 the Hazard Level HL3
-  Smooth and durable surface
-  Functional surface to obtain perfect bond strength with structural adhesives, e.g. polyurethane/epoxy adhesive and others.
-  Excellent bonding properties e.g. Polyurethane / Epoxy adhesive



**KOSKISEN**

# KoskiSound F



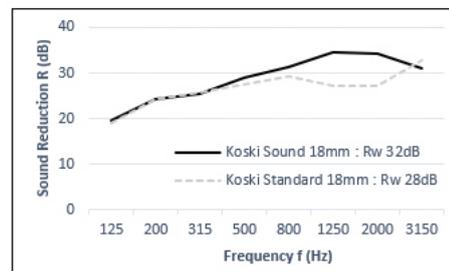
## Technical specifications

<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>	Customised, functional overlays
<b>Standard thicknesses</b>	16, 18 & 22 mm
<b>Standard sizes</b>	1220 x 2400/2440 mm 1450 x 3000 mm
<b>Edge treatment</b>	Standard without edge sealing, available on request
<b>Fire classifications</b>	The fire-resistance properties of KoskiSound F has been tested by RST. DIN EN 45545-2 fulfills R10 Hazard Level HL3.
<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	11,4
18	32	13,4
22	32	15,2

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.



### Koskisen Panel Industry

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### 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.



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