

kronoply
OSB PRODUCTS



High degree of stability

Can be used in many ways

Quick and easy installation

www.kronoply.de

Fig. KRONOPLY OSB

Kronoply OSB Tongue & Groove

The stable board

Convenient and highly resilient

Kronoply OSB Tongue & Groove

Convincing advantages.

With Kronoply OSB Tongue & Groove, both clients and building trades involved with treating have at their disposal a convincing alternative to chipboard.

Kronoply OSB consists of up to 160 mm long strips of pine veneer (strands) pressed crosswise into three layers, guarantee maximum strength and the best dimensional stability. The ContiFinish® surface is the untreated surface of an OSB (oriented strand board) with a thin compressed film of adhesives and wood rosin. It is thus water-repellent. Because of the use of 100 % formaldehyde free glue the emissions are substantially lower than E1 guidelines. However, the main advantage lies in the clearly reduced thickness of the material. Constructions which previously required the fitting of chipboard at least 30 mm thick can now be planned and realised with the highly resilient Kronoply OSB which is approx. 8mm thinner. This makes processing and transportation much easier and creates additional space, for example for the intended soundproofing.

All the standard fixing agents can be used for treating Kronoply OSB Tongue & Groove, which are produced exclusively from freshly thinned out wood from indigenous forests.

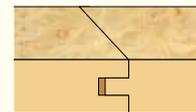
And how!

To achieve optimum results, Kronoply OSB Tongue & Groove should be allowed to acclimatise for approximately 3 days in the room in which they are to be laid and should not be glued if the room temperature is less than 12°C. Accurate edge borders can be best achieved if the tongues turned towards the wall are removed and the boards are laid along the longest side of the room first. With the first rows lined up with a guide line and wedge, you must keep to a minimum distance of 10 mm from the wall. The Kronoply OSB Tongue & Groove should be staggered by at least 40 cm in the second row. After a setting process lasting approx. 24 hours, any beads of adhesive which have appeared after optimum dovetailing of the Tongue & Groove can easily be removed with a spatula. Sanded surfaces can be further treated with lacquers, waxes or oils. The ContiFinish® surface must be sanded beforehand.

The Kronoply OSB Tongue & Groove must be laid on a dry underlayer. Otherwise, a sheet of blocking foil must be laid underneath to prevent rising damp.

Create something beautiful.

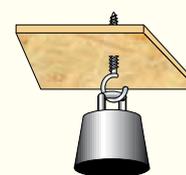
Creative joy and imagination are almost completely unfettered with Kronoply OSB Tongue & Groove. On the other side of ceilings, wall and floor constructions compact woods in decorative shelving systems or other items of furniture create an aesthetic joy which is completely your own.



Tongue & Groove connection



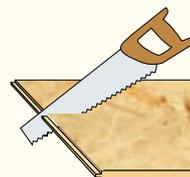
Cosy and warm



Screws and nails



No knots and non-warping

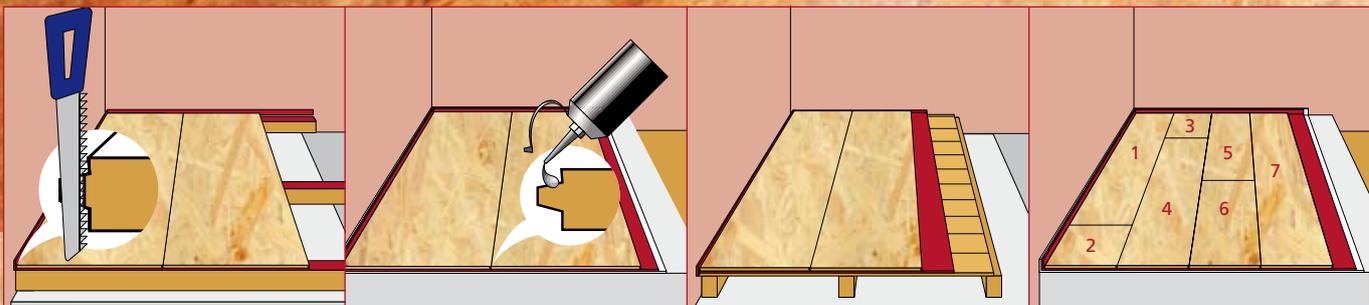


Easy to work



Ecological and environmentally-friendly





Can be laid on
joists

Can be laid on solid floors
and stone floors

Can be laid
on floorboards

Laying sequence

Summary of the product's advantages

- 4-sided tongue and groove connections
- highly resilient main carrying axis
- high degree of resilience on the face of a bore and nail removal strength
- high degree of dimensional strength
- ideal ecobalance
- glued so as to be water resistant, suitable for damp rooms

Tools and aids required

- handheld circular saw for cutting
- fret saw for gaps
- hammer, impact tool, wedges, sanding block and abrasive paper
- guide line, spirit level, spatula
- glue

Kronoply OSB Tongue & Groove



High stability with reduced board thickness

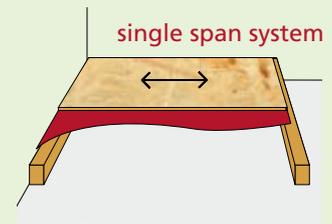
Comparison

Kronoply OSB Tongue & Groove	Chipboard	Application
12 mm	16 mm	Wall panelling
15 mm	19 mm	Floors, sub-constructions
18 mm	22 mm	Floors, sub-constructions
22 mm	28 mm	Floors, interior conversions

Single span system

Minimum board thicknesses required with corresponding grid element spacing

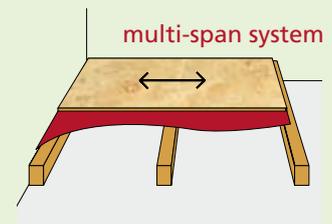
Joist distance	Cock loft 100 kg/m ²	Living space, floor covering 220 kg/m ²	Living space, dry screed floor 335 kg/m ²	Living space, cement floor 415 kg/m ²
41,7 cm	12 mm	12 mm	15 mm	15 mm
50,0 cm	12 mm	15 mm	18 mm	18 mm
62,5 cm	15 mm	18 mm	22 mm	22 mm
83,3 cm	18 mm	25 mm	–	–



Multi-Span system

Minimum board thickness required with corresponding grid element spacing

Joist distance	Cock loft 100 kg/m ²	Living space, floor covering 220 kg/m ²	Living space, dry screed floor 335 kg/m ²	Living space, cement floor 415 kg/m ²
41,7 cm	12 mm	12 mm	12 mm	12 mm
50,0 cm	12 mm	12 mm	15 mm	15 mm
62,5 cm	12 mm	15 mm	18 mm	18 mm
83,3 cm	15 mm	22 mm	22 mm	25 mm



Board format

Length	Width	Thickness of ContiFinish®	Thickness (sanded)
2500 mm	675 mm	12, 15, 18, 22, 25 mm	15, 18, 22, 25 mm

Maximum deflection 1/300 of the joist distance. Calculated in accordance with DIN 1052-1, Tab. 9 and 8.5.6. Technical parameters for measurement taken from DIN EN 13 986 for OSB 2, 3.

Direction of laying in direction of the main carrying axis of the Kronoply OSB Tongue & Groove. Working loads changing due to span and creep are not taken into account. Sub-construction is laid horizontally at the same distance. The tables can be used for predimensioning. Narrow-sided board butts must lie on the sub-construction.



QM-System is certified to
ISO 9001
QS-3281 HH

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