

Birch Ply

Granit
Granit L



Metsä Wood Granit is birch plywood panel overlaid with special decorative overlay. The panel surface has wire mesh or raised Top pattern. High visual quality and wear-resistant surface makes Granit durable, multipurpose plywood flooring panel. Metsä Wood Granit is available in standard, L and XL sizes.

APPLICATIONS

Metsä Wood Granit is an ideal flooring panel for applications that require good slip resistance and good visual quality. Granit has been developed especially for light transport end uses.

MAJOR ADVANTAGES

- Slip resistant wire mesh or raised pattern surface
- Special decorative surface
- Excellent strength-to-weight ratio
- Dimensionally stable
- Strong and rigid
- Withstands impacts and other forms of bruising
- Easy to machine and fasten using conventional woodworking tools and fasteners
- Easy to clean
- Good chemical resistance
- Made of sustainable Nordic wood and PEFC (PEFC/02-31-381) certified

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BASE PLYWOOD

The base plywood of Metsä Wood Granit is Metsä Wood Birch. Birch plywood is made of cross-bonded 1.4 mm thick birch veneers bonded with weather- and boil-resistant phenol formaldehyde adhesive.

OVERLAY

The film surface is semi-glossy, hard and resistant to impact and abrasion. Granit surface has grey decorative print. Smooth dark brown phenolic film is applied to the reverse side as a backer.

The surface options are:

- Metsä Wood Granit Deck: wire mesh pattern
- Metsä Wood Granit Top: raised round pattern

SURFACE PROPERTIES

The surface is hard and resistant to abrasion. The surface is also UV light and moisture-resistant, and can tolerate commonly used chemicals as well as diluted acids and alkalis. The surface is easy to clean.

ABRASION RESISTANCE*

	TABER REVOLUTIONS**
Granit	800

* Values are indicative and valid for new unused panels

** Abrasion resistance is tested according to EN 438-2 / DIN 53799

EDGE SEALING

Panel edges are sealed against moisture absorption with acrylic edge sealing paint. The standard colour of the edge sealing is grey. Even though edge sealing slows down the absorption of moisture into the wood, it does not eliminate it completely.

PANEL SIZES

	WIDTH (mm)						
	2400	2440	2500	3000	3050	3660	4110
Granit	LENGTH (mm)						
	1200*	■	■	■	■	■	
	1220*	■	■	■	■	■	
	1250*	■	■	■	■	■	
	1500*	■	■	■	■	■	■
1525*	■	■	■	■	■	■	
Granit L	1860	■	■	■	■	■	■

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

■ = standard panel size for Granit Deck

■ = available on request

Other sizes are available on request. Larger size scarf-jointed XLpanels are also available by special order.

Granit TOP sizes available on request and should be agreed on advance.

SIZE TOLERANCES

Measured in accordance with standard EN 324, the plywood size and squareness tolerances meet EN 315 requirements.

PANEL TOLERANCES

LENGTH / WIDTH	TOLERANCE
< 1 000 mm	± 1 mm
1 000 - 2 000 mm	± 2 mm
> 2 000 mm	± 3 mm
Squareness	± 0.1 % or ± 1 mm/m
Edge straightness	± 0.1 % or ± 1 mm/m

THICKNESSES, STRUCTURES AND THICKNESS TOLERANCES

The thickness tolerances fulfil the requirements of standard EN 315 and are in part more stringent than the official requirements.

THICKNESSES, STRUCTURES AND THICKNESS TOLERANCES OF THE PANELS*

NOMINAL THICKNESS	NUMBER OF PLYS	THICKNESS TOLERANCE		WEIGHT
		min. (mm)	max. (mm)	
(mm)	(ant.)			kg/m ²
9	7	8.8	9.5	6.1
12	9	11.5	12.5	8.2
15	11	14.3	15.3	10.2
18	13	17.1	18.1	12.2
21	15	20.0	20.9	14.3

* Moisture content of the product affects its dimensions

* Average density of Metsä Wood birch plywood is 680 kg/m³ (at relative humidity of RH 65 %)

* Special structures and thicknesses are available on request

* Customised tolerances are possible but must be agreed separately

BONDING CLASSES

Metsä Wood plywood panels are bonded with a weather- and boil-resistant phenol formaldehyde adhesive. The gluing meets the requirements of the standard EN 314-2 / Class 3 (exterior).

FORMALDEHYDE EMISSIONS

Determined according to EN 717-1, the formaldehyde emissions of Metsä Wood Granit are well below the Class E1 requirement of ≤ 0.100 ppm. The product complies with Commission Regulation (EU) 2023/1464, and the formaldehyde emission is below the specified limit of 0.062 mg/m³.

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APPROVALS AND DESIGN PROPERTIES

Metsä Wood Granit is CE and UKCA marked and the design properties are determined according to standard EN 13986. The design properties given in the Declaration of Performance (DoP) and in the UK Declaration of Conformity (UK DoC) are to be used for structural calculations with EN 1995 (Eurocode 5). The DoP documents can be downloaded from www.metsawood.com/dop and the UK DoC documents can be downloaded from www.metsawood.com/ukdoc.

Birch plywood production is managed according to the principles of standard ISO 9001. The quality and the constancy of performance of the product is controlled by regular third party inspections and audits.

MACHINING

Metsä Wood Granit plywood panels can be machined according to customer specification on request.

PACKAGING

Metsä Wood Granit panels are packed in moisture-resistant plastic wrapping.

PACKING QUANTITIES

PANEL SIZE (mm)	NUMBER OF PANELS PER PALLET BY THICKNESS				
	9	12	15	18	21
1500/1525 x 2400-3660 1200/1220/1250 x 2850-3660	65	50	40	35	30
1500/1525 x 1500-2135 1200/1220/1250 x 1200-2800	100	75	60	50	45
1500/1525 x 3670-4110 1860 x 1860 - 4110	50	35	30	25	20

FURTHER INFORMATION

- Metsä Wood Granit Declaration of Performance (www.metsawood.com/dop)
- Metsä Wood Granit Declaration of Conformity (www.metsawood.com/ukdoc)
- Metsä Wood Plywood for transport industry brochure

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