

Exceptional craftsmanship
without compromise
for 31 years



MULTILAYER SOLID WOOD PANEL

NOVATOP 

NOVATOP SWP

Multilayer solid

Multilayer panels NOVATOP are manufactured from natural wood under strict environmental regulations. As the first Czech manufacturer we obtained the Natureplus certificate in 2008.

DESCRIPTION

Multilayer panels NOVATOP are made of coniferous sawnwood dried to 8% (larch 12%). Each layer of the panel consists of lamellas of solid wood. The three-layer panel consists of one middle layer rotated by 90° relative to the outer layers. The five-layer panel has one middle layer rotated by 90° relative to the two parallel surface layers on each side. The thickness of the layers can differ and determines the final thickness of the panel. The lamellas of the middle layer are glued longitudinally, and lengthwise they are connected with the butted joint or they can be continuous. Their thickness is a maximum of 60 mm.

The outer layers are made of continuous lamellas with a thickness of 6 or 9 mm and a width of 93-143 mm. On every panel, there is always the same width of the surface lamellas whose right side faces the surface. The longitudinal joints of the lamellas are glued together. The adhesive used is waterproof and the surface lamellas are glued according to AW 100, or possibly D4 according to EN 204.

The quality of sanding corresponds to the grain size of 100 (coarser sanding is made to order).

ADVANTAGES

The character of natural solid wood
Natural non-toxic material
Dimensional stability
High tensile strength
Excellent workability of surfaces and edges
Large format
Easy manipulation and assembly
Very wide range of applications
in the interior and the exterior



3-LAYER PANELS

Wood: Central European spruce, Nordic spruce, silver fir, Siberian larch (Temporarily unavailable)
Standard thicknesses (mm): 13 (4-5-4), 14 (4-6-4), 16 (5-6-5), 19 (6-7-6), 21 (6-9-6), 27 (6-15-6), 27 (9-9-9), 32 (9-14-9), 42 (9-24-9), 50 (9-32-9), 60 (9-42-9)
Standard widths (mm): 1040, 1250, 2100, 2500
Standard lengths (mm): 2500, 2750, 3000, 4000, 5000, 6000
Non-standard formats (mm): According to the individual demand
Quality: A, B, C, D and their combinations
Types of panels: NOVATOP SWP, NOVATOP SWP SD – board according to EN 13986, NOVATOP FREE – formaldehyde-free gluing



Continuous lamella up to 10 m

XXL PANELS

3-layer panels

Wood: Spruce
Thickness: 27 (9-9-9) others on request
Formats (mm): Flexibility of formats, max 2500 x 10000
Quality: B/D (one-sided visual) or C/D (no-visual)

ADVANTAGES

Continuous surface lamella in visual quality
in a length of up to 10 m



SURFACE LAMELLA up to 12 mm

3-layer panels

Wood: Spruce
Standard thicknesses (mm): 42 (12-18-12) and 60 (12-36-12)
Standard lengths (mm): 5000 and 6000
Standard widths (mm): 1250, 2100 and 2500
Quality: B, C, D and their combinations

ADVANTAGES

Thicker lamella
More stability of the panel
Saving space, wood and price



EASY BOARD

3-layer panel, spring & groove + chamfered edge

Wood: Spruce

Standard thickness (mm): 19 (6-7-6), 27 (6-15-6), 27 (9-9-9),

Netto format (mm): Gross: 625 x 2500, 1250 x 5000

Net: 615 x 2490, 1240 x 4990

Quality: B/C, C/C, C/D

Packaging: 48 (19 mm) or 32 (27 mm)

Machining: Spring & groove + chamfered edge /4 sides

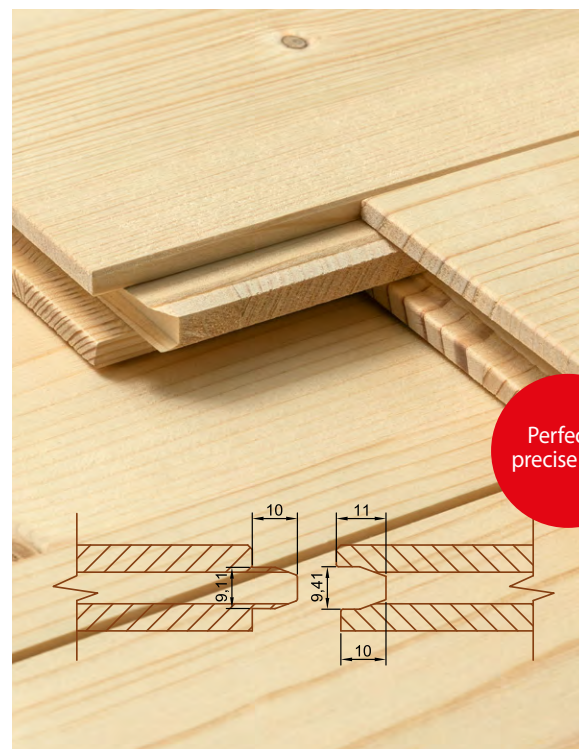
Machining options: Brushing, drilling

Surface finishes: Water-soluble glazing interior paint

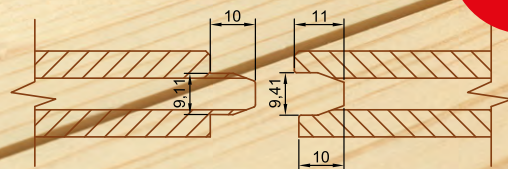
APPLICATION

Interior – cladding of walls, ceilings, floors, etc.

Exterior – roof, pergola soffits, etc.



Perfectly
precise joint



STATIC

5-layer panels

Wood: Spruce

Standard thicknesses (mm): 45 (9-9-9-9-9), 60 (9-9-24-9-9)

Standard widths (mm): 1040, 1250, 2100, 2500

Standard lengths (mm): 5000, 6000

Quality: A, B, C, D and their combinations

Types of panels: NOVATOP STATIC L, NOVATOP STATIC Q

ADVANTAGES

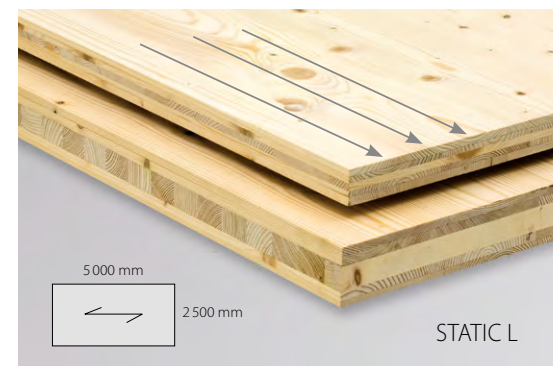
The solution for overhangs roofs minimises thermal bridges

High static characteristics

Modulus of elasticity up to 11,500 N/mm²

High bending strength in the main axis up to 48 N/mm²

Large formats up to 2500 x 12000 mm



STATIC L



STATIC Q



MACHINING OPTIONS

3-layer panels, 5-layer panels

Wood: Spruce, fir
Standard thickness (mm): up to 60 mm
Formats: up to 2500 x 6000 mm
Quality: B/B, B/C, C/C, C/D

Precision machining

Machining tolerance in the thickness of ± 0.4 mm
Width and length tolerance ± 0.5 mm
Tolerance of sanding thickness ± 0.2 mm

FORMATTING
Great flexibility driven by demand

STANDARD
Grooves from the sides, finger joint.

NON-STANDARD
Perforations into various profiles (milling, cutting, drilling),
milling of grooves and openings of various shapes and others,
according to the individual demand.



SURFACE FINISHES

3-layer solid wood panels

Wood: Spruce, fir
Standard thickness (mm): 19, 27
Standard length (mm): 2500, 3000
Standard width (mm): 625, 690, 1040, 1250
Max. format (mm): 1250 x 5000
Quality: B/C, C/C, C/D

SURFACE FINISH FOR THE EXTERIOR

View side of SWP: Pre-final or final surface
Bottom side of SWP: Primer

TYPE OF SURFACE FINISH

Water soluble, UV stable
Glazing paint: Remmers Induline LW-760
Varnish: Remmers Induline DW-660

COLOUR TONE

Glazing paint: Transparent with white pigments
Varnish: Covering with white pigments

APPLICATION

Application in the exterior to places with protection from
direct weather conditions – e.g. roof soffits, pergola

SURFACE FINISH FOR THE INTERIOR

View page SWP: Primer or final surface

TYPE OF SURFACE FINISH

Glazing paint, water-soluble glazing paint, UV stable
Adler Lignovit Interior UV 100

COLOUR TONE

Natur – transparent without pigments
Zugspitze – with white pigments
Mont Blanc – with white pigments
Spok – grey (final paint only)

APPLICATION

Interior application only





Heavily brushed

STRUCTURED SURFACE

3-layer solid wood panels with surface finish

Wood: Spruce

Standard thicknesses (mm): 14, 16, 19, 21, 27, 32, 42, 50, 60

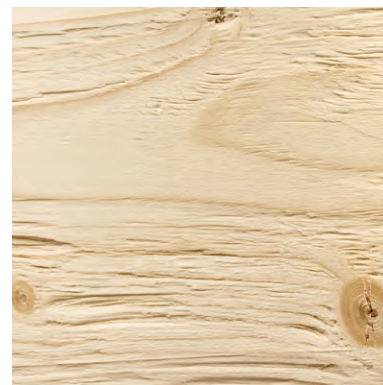
Standard formats (mm): up to 2100 x 6000,
minimum length of 1000

TYPES OF SURFACE

Fine and coarse brushing, chopping

EXAMPLES OF APPLICATION

Manufacture of furniture and interior equipment,
cladding of walls and ceilings.



ALTHOLZ 4



ALTHOLZ

3-layer solid wood panel with a covering
layer made of old wood

Wood: Spruce

Standard thickness (mm): 19 (6-7-6)

Standard width (mm): 1250

Standard length (mm): 2600, 2800, 3000, 3200

TYPES OF BOARDS

4 - old sunburnt boards, manually brushed,

1 - beams and boards from a roof truss, manually brushed

EXAMPLES OF APPLICATION

Manufacture of furniture and interior equipment,
cladding of walls and ceilings.



ALTHOLZ 1





DOOR

Multi-layer panel

Wood: Spruce

Composition: 3-layer panel ALTHOLZ 19 mm,
plywood 4 mm, 3-layer panel ALTHOLZ 19 mm

Width (mm): 1250

Length (mm): 2600, 2800, 3000, 3200

Width of the surface lamellas: 80-230 mm
always a combination of different lamela widths
on the visible side

Thickness of cover slats: approx. 6 mm, may show
higher tolerances depending on the type of panel



TYPES OF BOARDS

4 - old sunburnt boards, manually brushed,

1 - beams and boards from a roof truss, manually brushed



MIKADO, Walnut Veneer

MIKADO

3-layer solid wood panel with
natural veneer and milling

Composition: 3-layer spruce panel,
natural veneer, thickness 0.9 mm

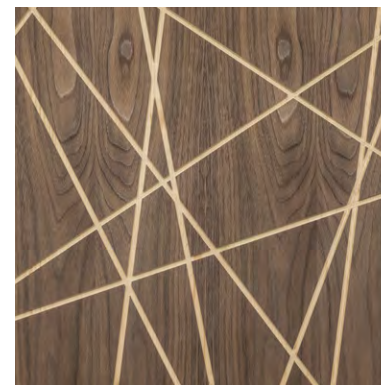
Veneers: ash, walnut

Panel thickness: 27 mm

Max. format: 625 x 2500 mm

EXAMPLES OF APPLICATION

Indoor use: wall and ceiling cladding



MIKADO, Ash Veneer

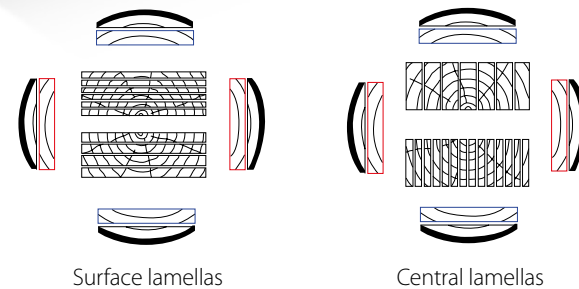
NOVATOP panels have been distinguished by their craftsmanship for 31 years

Simply a better panel

9 benefits for you

- 1 Dimensional stability and high strength of the panel
- 2 Elimination of surface cracks
- 3 Natureplus certification
- 4 No need to sort the panels
- 5 Smaller offcut due to the flexibility of formats
- 6 Uniform quality for many applications
- 7 Less risk of complaints
- 8 Saving you time and money
- 9 Maximum satisfaction for your customers

Exclusively central timber



Compact centre and panel section



- For the production of all lamellas, we use only central timber from the trunk, thicknesses of 18–25 cm, which is characterized mainly by small and healthy knots
- We sort the lamellas according to internal regulations, which go beyond the requirements of the standards
- Surface lamellas are always tangential
- The central lamellas are always radial
- We discard the unplanned lamellas and use them for heating the dryers

- For the centres, we only use radial lamellas with a width of max. 63 mm (usually 37 mm – 59 mm)
- We glue all the central lamellas in the joints
- We repair the middle layers
- The middle layer is compact and closed
- We perform the output inspection personally

Minimization of cracks and manual repair of defects



- We dry the timber to 7–8%
- We always assemble the surface lamellas with the right side up on the visual side of the panel
- We glue the surface lamellas in joints by means of high side down pressure
- We repair qualities A, B, C
- We only use natural knots from branches of our own production

Formaldehyde emissions are up to 10 times lower than the limits for Class E1



- We glue using melamine adhesive
- PVAC gluing on request (100% formaldehyde-free) or PU

High formatting accuracy



- As a standard, we guarantee high accuracy of the basic format ± 2 mm diagonally
- On request, we perform formatting and machining on CNC machines with an accuracy of 0.1 mm

Exceptional sanding quality



- Quality of sanding corresponds to the grain size of 100
- We guarantee sanding tolerance of ± 0.2 mm

REFERENCE



Real textures
for a perfectly
visual world

PBR standard / 8K





Projektil architekti CZ



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Klar CZ

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Certificates:



Information



Reference



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