

nordpan

SOLID WOOD PANELS EVOLVED TECHNIQUE FOR THE BEST QUALITY



PASSION FOR WOOD



WOOD, A RENEWABLE RAW MATERIAL

Our forests represent the planet's green lungs, the healthiest vital space we know of. Forests store water, clean the air, preserve the land and make a decisive contribution to climate stability. The forest hosts animals, plants, tiny creatures of enormous variety, all living in harmony. And in the forest grows one of the oldest of man's raw materials: **wood**.

No other material reaches us so naturally and is so warm and pleasant to the touch. Wood makes our living space more comfortable, welcoming and refined. Wood ages with us, but survives the centuries.

Solid wood panels regulate the microclimate in our homes and create a welcoming atmosphere

Solid wood panels bring a piece of nature to our homes. Timber is hygroscopic, and so can naturally adjust the humidity in the air. Solid wood panels by Nordpan are produced using high quality conifers.

We employ a natural material, ecological and pleasant to work with. Living spaces created using solid wood have a welcoming atmosphere of enduring beauty.



QUALITY WITHOUT COMPROMISE

Nordpan solid wood panels are among the best and best known on the international market. All-round quality on every face and in every corner. The finest timber product marketing companies in Europe order their panels in solid wood in Valdaora.

Selected raw materials, long experience and an efficient team: using the most modern technologies we produce panels of superior quality, complying with the highest standards. And our will to ever extend our capabilities and competence guarantees, now and for the future, the production of highest quality materials.

Versatility in use

The panels in solid wood by Nordpan, single and multi-layer, have many applications - both indoors and outdoors. Used as an outer covering, a solid wood panel confers on facades aesthetic quality and distinctive personality. Our panels are used for furniture construction, for indoor furnishing and for fitting out shops and offices, in ever greater quantities. A growing use of wood is seen in the construction of prefabricated buildings and industrial sheds, too. Nordpan today is the market leader in the field of production of high quality solid wood panels.

Fields of Application

- Furniture construction
- Wall, ceiling and roof coverings
- Wooden floors and stairs
- Doors
- Window frames and sills, shutters
- Construction of industrial sheds, timber homes and timber components
- Construction and covering of facades and balconies
- Construction of exhibition stands and so on.





Conifer wood of the best quality

We use only high-quality conifer wood:

- Spruce
- Larch
- Pine
- Spruce antiqued
- Douglas Fir



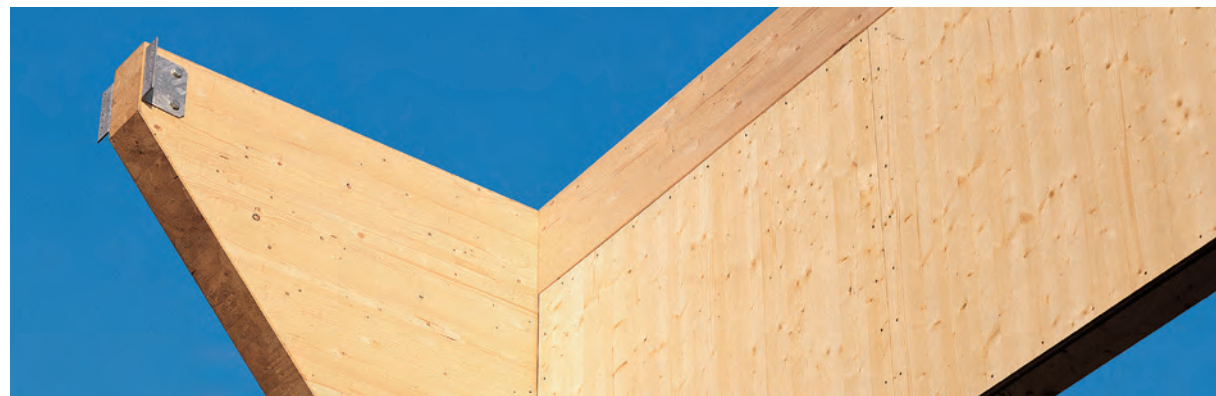
Best quality

Nordpan buys raw materials from areas of selected growth, where sustainable management is the norm. All solid wood panels by Nordpan comply with the requisites established in EC standard EN 13986.





A NEW AESTHETICS FOR ARCHITECTURE



Facade: modern and linear, or traditional? As to the surface treatment, panels in solid wood, single or multi-layer, offer creative liberty, ease of construction and a long useful life. Solid wood panels from the company Nordpan, leaders in their field, is excellent for covering ceilings and walls, both indoors and outdoors. Wood confers personality to the facade and underlines the environmental sensitivity of the buyer.



SOLID WOOD PANELS FOR CRAFTSMEN



Today, Nordpan is a name well known to carpenters and timber product sales organisations. In the building industry (sway bracing, walling, roof panelling) the company has always targeted high product quality. Carpenters need materials that allow simple and rapid manufacture, for furnishings, floors, wall coverings, doors, shutters, sills... Ever more companies in the field of manufactured wood articles discover the versatility in use of our panels.

THE VALDAORA FACILITY

50 years in the timber industry

Man has always been fascinated by the manufacture of wood products. Nordpan accepted this challenge 50 years ago. We produce panels from the highest quality solid wood, taking our cue from our main idea: to offer a healthy living environment, built of wood.

In our two facilities in Valdaora (South Tyrol, Italy) and Strassen (Eastern Tyrol, Austria), our specialised personnel produces every year about 5 million square metres of panels, in single-and multi-layer solid wood; production is done in an innovative environment characterised by extremely sophisticated production processes.

Our continuous concentration on quality - in both production and in selection of materials - has made us a market leader in Europe. But we're not stopping here: our commitment continues, day after day.





Our staff, our most precious resource
We believe in the importance of a harmonious working environment that allows our staff to feel at ease. They are always to the forefront; they make suggestions and illustrate their ideas for continuous improvement of our products. Product research and development involves all Nordpan personnel.

STRASSEN FACILITY

A milestone for the wood product industry in eastern Tyrol

Nordpan Rubner Holzbauelemente GmbH was founded in 2006 as a subsidiary of Nordpan AG. Since its birth, the Company has always targeted innovative production technologies and quality levels of excellence. Precision, logistics and customer service, always the foundations of the Rubner business, have been adopted to the full by Nordpan.

The activity of Nordpan in the field of wood processing is intended to contribute to the preservation of our natural vital space. The wood we use replaces non-recyclable construction materials. This motivation leads us to carry out our mission and work with conviction and innovative ideas.





Official inauguration – Nordpan, Strassen, August 2008

Markus Prugger, partner of Nordpan Rubner Holzbauelemente GmbH puts his signature to the first panel. The president of the Rubner Group, Stefan Rubner - with his French sales partners - offers a giant bottle of Champagne to CEO Peter Kofler.



Centralised logistics, delivery on time

Our panels are always available in stock in our large stores at two different sites. The constant product availability and short delivery times allow our customers to reduce their stock costs. Transport can be by road or rail anywhere in the European transport network.



The Nordpan single-layer and multi-layer panels are made of solid wood and are suitable for the various construction applications of interior furnishings and wooden constructions.

Thanks to the state of the art technology, woodworking expertise, the workers' profound knowledge and, above all, the sense of „quality“, the Nordpan solid wood panels are designed with unique features and stand out on the wood panel market, offered by well-known distributors of wooden products throughout Europe.

Since Nordpan panels are a **natural product** and solid wood „lives“, it is advisable to strictly observe specific storing, production and handling criteria:



Spruce



Larch



Pine



Spruce antiqued



Douglas fir



1. Storing: the boards must be positioned horizontally on dry supports (max. 1m distance from each other) in air conditioned areas. Packages must be entirely covered in order to protect from infiltration of humidity and damages of the surfaces.

2. Use of solid wood boards for interiors: single-layer and multi-layer panels are mainly used for the production of furniture and decorative elements for the interior. When our panels leave the factory their moisture content of (8+/-2)% (single layer panel) or (10+/-3)% (multi layers panel) and any variation of temperature or humidity could cause swelling, shrinkage and twisting. It is advisable to maintain the ambient temperature constant and not too dry. Slight cracking may occur if the panels are placed near sources of heat (for example, window sills) or solar radiation, as well as slight twisting, especially when constructing long and narrow furniture parts and doors, even if the panels are handled with care.

3. Use of solid wood panels for the exterior and humid environments: both the D4 (b4) glued single-layer panels and the AW (previously AW 100) glued multi-layer panels require surface and edge treatment with appropriate protective materials for the above-mentioned applications. Furthermore, applications must respect the physical quality of resinous woods: always allow water to drain away and never let it stagnate. Specific processing measures must also be taken to prevent swelling, shrinking and twisting.





4. Use of solid wood panels for the static environment: for this application the license n. Z-9.1-465, granted by the „Deutschen Institut für Bautechnik“, contains all the characteristics and relative values.






5. Use of 3 and 5 layer solid wood panels regarding the EN 13353 standards for the dry, humid- and exterior environment: All our multilayer solid wood panels correspond to the CE reference number regarding the EN 13986 standards.

Classification by surface appearance (EN 13017-1) – summary: **Quality 0:** sound firm knots, single natural plugs permitted, single resin pockets up to 2x30 mm, repaired resin pockets – single plugs permitted, no pith, no discolouration, no coarse texture, no open glue lines, sanded both sides. **Quality A:** sound firm knots, natural plugs permitted, single resin pockets up to 3x40 mm, repaired resin pockets permitted, pith occasionally up to 400 mm permitted, no colouration, coarse texture permitted, no open glue lines, sanded both sides. **Quality B:** sound firm knots, small occasional black knots, natural plugs permitted, resin pockets up to 5x50 mm, repaired resin pockets permitted, pith permitted, slight discolouration, coarse texture permitted, open joints < 100 mm/1m, sanded both sides. **Quality C:** open joints < 100 mm/1m, no restrictions concerning knots, resin pockets, pith, colouration, texture, sanded both sides. **Quality D:** no quality restrictions except glueing.

Classification according to surface aspect:
 ÖNORM B 3021/ B 3022: A AB B C
 EN 13017-1: 0 A B C

Remark: We are not liable for any wrong application or inadequate processing of our products. For exterior use, our boards must be adequately surface treated and correctly processed to avoid swelling, shrinkage or distortion. **Subject to Alternation:** **When using solid wood panels always remember: wood is alive!**

Wood panel	 1-S Spruce	 1-S Spruce antiqued	 1-S Pine	 3-S Douglas Fir
Plank LxW mm	5000x1200 4000x1200 (Thicknesses 10/14/15/18/20/21/24/27/32/35/40)	5000x1200	5000x1200	5000x2050 5000x1250 on request
Special widths	on request	on request	on request	
Slat width mm	45 91-160*	45 (Thicknesses 20-27-40 mm, Qualität 0B) 117-160* (Thicknesses 18/20/27/32/40 mm, Qualities 0/B, B/C+)	45	117
Thickness mm	<ul style="list-style-type: none"> • 10/13/14/15/18/19/20/21/22/24/27/32/35/40/42/50/52/55 (Plank 5000x1200) • 10/14/15/18/20/21/24/27/32/35/40 (Plank 4000 x 1200) • 18/20/24/27/32 (slat width 91-160 mm – depending on availability) 	20/27/40 (slat width 45 mm) 18/20/27/32/40 (slat width 117-160 mm)	15/18/20/27/40	19 mm structure 5/9/5 mm, middle layer in pine 26 mm structure 7/12/7 mm, middle layer in pine
Special thicknesses mm	on request	on request	on request	on request
Qualities	0 and B 0 and B wide slat	0B (slat width 45 mm) 0/B-BL, B/C+-BL (slat width 117-160 mm)	0 und B	A/B A/C+ A/C closed on one side B/B B/C+ B/C closed on one side
Detailed information	<p>Cut to size: on request</p> <p>Structure: edge glued continuous equally wide slats</p> <p>Resin: PVAc (white glue) - B4 (D4) - formaldehyde free</p> <p>Moisture content: (8±2)% when shipped ex works</p> <p>Thick. tolerances: ± 0,3 mm</p> <p>Standards: Production according to EN 13017-1</p>			<p>Packing: skids, foil, edge protection, iron hooped, label specifying goods and dimensions</p> <p>Pakete: 10 mm: 50 Pieces – 13 mm: 40 Pieces – 14/15 mm: 35 Pieces 18 mm: 30 Pieces – 19/20/21/22 mm: 25 Pieces – 24/27 mm: 20 Pieces 32/35 mm: 15 Pieces – 40/42 mm: 12 Pieces – 50/52/55 mm: 10 Pieces</p>
	* depending on availability			

 <p>3-S Spruce</p>	 <p>3-S Spruce antiqued</p>	 <p>3-S Pine</p>	 <p>3-S Larch</p>	 <p>5-S Spruce</p>	
<p>5000x2050 5000x1250</p>	<p>5000x2050 5000x1250 on request</p>	<p>5000x2050 5000x1250 on request</p>	<p>5000x2050 5000x1250 on request</p>	<p>5000x2050</p>	
<p>117/140* 160 (Thickness 19 mm, Qualities A/B-A/C+) 190 (Thickness 19 mm, Qualities A/B-A/C+)</p>	<p>117/140* 190 (Thickness 19 mm, Qualities A/B-A/C+-B/C+)</p>	<p>117/140*</p>	<p>110/140* (Qualities A/B-A/C+-B/C+) 190 (Thicknesses 19 mm, Qualities A/B-A/C+-B/C+-B/D)</p>	<p>117/140*</p>	
<p>13/16/19/22/27/32/35/42/49/60**</p>	<p>119 middle layer spruce 4,5/10/4,5 mm 27 middle layer spruce 8,5/10/8,5 mm</p>	<p>19 middle layer pine 6/7/6 mm 27 middle layer pine 8,5/10/8,5 mm</p>	<p>Thickness 19 middle layer larch 5/9/5 mm 26 middle layer larch 7/12/7 mm 32 middle layer spruce 7/18/7 mm 42 middle layer spruce 8,5/25/8,5 mm</p>	<p>Structure: 27 mm: 4/7/5/7/4 mm 32 mm: 5,5/7/7/7/5,5 mm 35 mm: 6/8/7/8/6 mm 42 mm: 8,5/8/9/8/8,5 mm</p>	
<p>on request</p>	<p>on request</p>	<p>on request</p>	<p>on request</p>	<p>on request</p>	
<p>0/0-0/B-0/C+-A/B-A/C+-B/B-B/C+-C+/C+ closed on both sides – B/D-C+/D closed on one side only – D/D open on both sides – A/B-A/C+-B/C+ (slat width 160/190 mm)</p>	<p>A/B-A/C+-B/B-B/C+ A/B-A/C+-B/C+ (strip width 190 mm)</p>	<p>0/B-0/C+-B/C+</p>	<p>A/B-A/C+-B/C+ (slat width 110/140 mm*) A/B - A/C+-B/C+-B/D (slat width 190 mm)</p>	<p>0/0-0/B-0/C+-A/B-A/C+-B/B-B/C+-C+/C+</p>	
<p>Cut to size: on request</p> <p>Structure: longitudinally continuous planks - rectangularly (90 degree) placed closed, defectfree middle layer</p> <p>Gluing: AW (ex AW 100) – DIN 68705 – SWP/1 (on request) – SWP/2 (standard) – SWP/3 (on request) according to EN 13354 – low formaldehyde emission abt. 0,01-0,03 ppm HCHO (E1)</p> <p>**Thickness of surface slat: 4,5 mm: 13/16 mm - 6,0 mm: 19/22 mm - 8,5 mm: 27/32/35/42 mm - 12,0 mm: 49/60 mm</p> <p>Moisture content when shipped ex works: SWP/1 S = (8+/-2%) SWP/2 S = (10+/-3%) SWP/3 S = (12+/-3%)</p> <p>Thickness tolerances: ± 0,3 mm</p> <p>Norms: Characteristics according to EN 13986 – Quality according to EN 13017-1</p> <p>* depending on availability</p>		<p>Packing: skids, foil, edge protection, label specifying goods and dimensions</p> <p>Packing quantities: 13 mm: 40 Pieces – 16 mm: 30 Pieces – 19 mm: 25 Pieces – 22 mm: 25 Pieces 27 mm: 20 Pieces – 32 mm: 15 Pieces – 35 mm: 15 Pieces – 42 mm: 12 Pieces 49 mm: 10 Pieces – 60 mm: 8 Pieces</p>			<p>* depending on availability</p>



The future is built of wood

As a fourth-generation family business, a forwardlooking and responsible approach to the valuable resource of wood forms the starting point of our value chain – which, incidentally, is unrivalled anywhere in Europe in terms of innovation, comprehensiveness and supply security.

Our enthusiasm and know-how encompass everything from selecting and processing freshly felled round timber to completing large-scale timber construction projects worldwide. Individual solutions, high quality standards and stable, controlled growth make us the ideal partner for timber construction projects of all types and sizes.

**1,400 employees across
18 locations in 4 countries – with
one great passion that unites
everyone in the Rubner Group
into one big family: wood.**

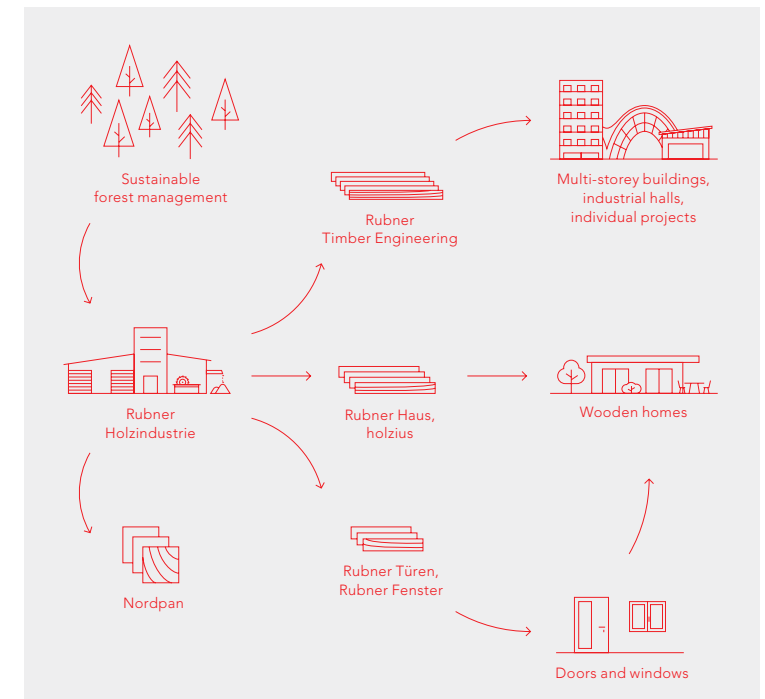
Everything from a single source

From raw materials to finished buildings, we combine all processes and production steps in a seamlessly organised, innovative and ecologically sustainable value chain.

Our sawmill produces the sawn timber that forms the starting material for the production of glued laminated timber, cross laminated timber, solid wood panels, and solid construction timber, as well as building components, such as structures, wall-, slab- and roof elements.

Our locations in Italy, Austria, Germany and France use this timber for single family houses and apartment buildings, multi-storey buildings, and industrial buildings as well as individual large-scale structures.

Windows and doors complete the Rubner Group's product portfolio.



Vision
Healthy building with wood – without compromises

Wood is more than a valuable raw material. Natural and renewable, it can make an important contribution to solving the challenges of climate change. Josef Rubner Sr. recognised the importance of this versatile resource and decided to turn to wood as a building material for resolutely wholesome and sustainable construction. Passed down from generation to generation, this vision continues to form the strong foundation upon which all companies and activities of the Rubner Group are based today – from research & development to the optimisation of work and production processes to the training and education of our employees. After all, we know that our actions today have a direct and tangible impact on tomorrow.

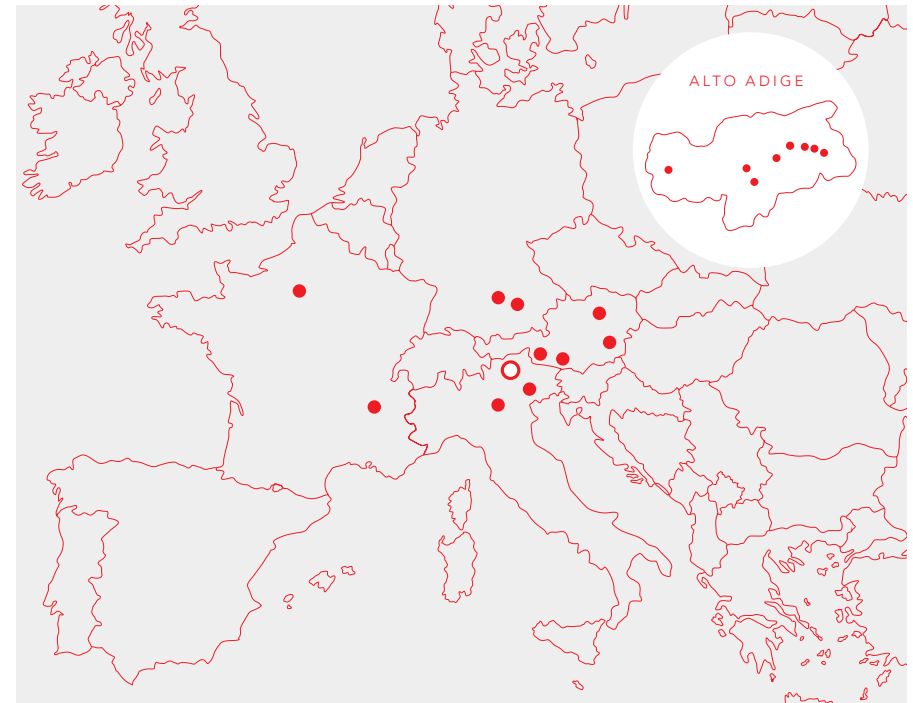
Promise
The best of wood – for our future

Natural, lively, warm – and sustainable: wood provides us with a sense of security and safety. We are aware of its strengths, from the powerful tree to the cosy home or the innovative workspace. And we also know its limits. That's why we use this versatile raw material responsibly and prudently, carefully optimising its processing and using as many of its parts as possible. For nature, for people – for the future.

Values
Valuable together – reliable and straightforward

We get to the heart of things and concentrate on what matters: the sensible use of wood as a valuable raw material and the best possible implementation of the projects that we individually design for you. Reliability, precision, honesty and mutual respect are the cornerstones of our working relationships with our customers, business partners and employees. As a family-run company with many years of experience, we know the power of community: you can rely on us.

Family creates culture.



Wood industry

- Rubner Holzindustrie**
Rohrbach an der Lafnitz (A)
- Nordpan**
Valdaora (I)
Strassen (A)

Wooden homes

- Rubner Haus**
Chienes (I)
Munich (D)
- holzius**
Oris / Lasa (I)

Timber engineering

- Rubner Timber Engineering**
Bressanone (I)
Carpenedolo (I)
Ober-Grafendorf (A)
Villach (A)
Augsburg (D)
Lyon (F)
Rosny-sur-Seine (F)

Wooden doors, wooden windows

- Rubner Türen**
Chienes (I)
Renon (I)
Perca (I)
Belluno (I)
Bolzano (I)
- Rubner Fenster**
Sarentino (I)
Chienes (I)
Bolzano (I)

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