

New ways to speed up manufacturing and construction

Wood can be used in variety of applications and it offers excellent workability both indoors and out. For this reason, wood is prized for its long life and resilience as a building material.

Thanks to the factory-applied surface treatments, building work is now faster and more cost-effective. The treatment is applied according to approved production methods and a precisely monitored painting process.



Photo: Wood Focus Oy



on the fast track with paint!



Photo: Wood Focus Oy

Quality shows in a higher resale value

High-quality industrial painting is based on Tikkurila's Satema quality system, i.e., the Quality Classification for Industrially Painted Cladding Panels. Using the best available painting conditions and methods ensures consistent product quality.

You can tell the quality of the wood from its surface. A quality finish is the result of a correctly chosen finishing treatment system and by using suitable painting methods. A successful result will boost the resale value of buildings.



An economically sound solution

Optimized industrial production means more efficient and faster output. Wooden structures are subjected to stress factors during building work, including solar UV radiation, damp and fungal attacks penetrating below the surface. These can be minimized when the surface finishing is applied in conditions of consistent warmth.

Factory-finished wooden building materials greatly speed up building work, meaning major savings for the builder as one stage of the work is eliminated. This makes construction considerably more profitable.

Photo: Wood Focus Oy



Photo: Wood Focus Oy

The natural choice

As a building material, wood is an environmentally friendly, ecological and easily available natural product. Most often, wood is used in houses and different public areas in combination with other materials. Its strength makes it excellent for structurally demanding applications.

Light and shape are important

A finish and shape can be seen and experienced in different ways. Variations in light and shade, dark and pale can bring out details. Contrasting lights can channel people's attention and enhance the environs.

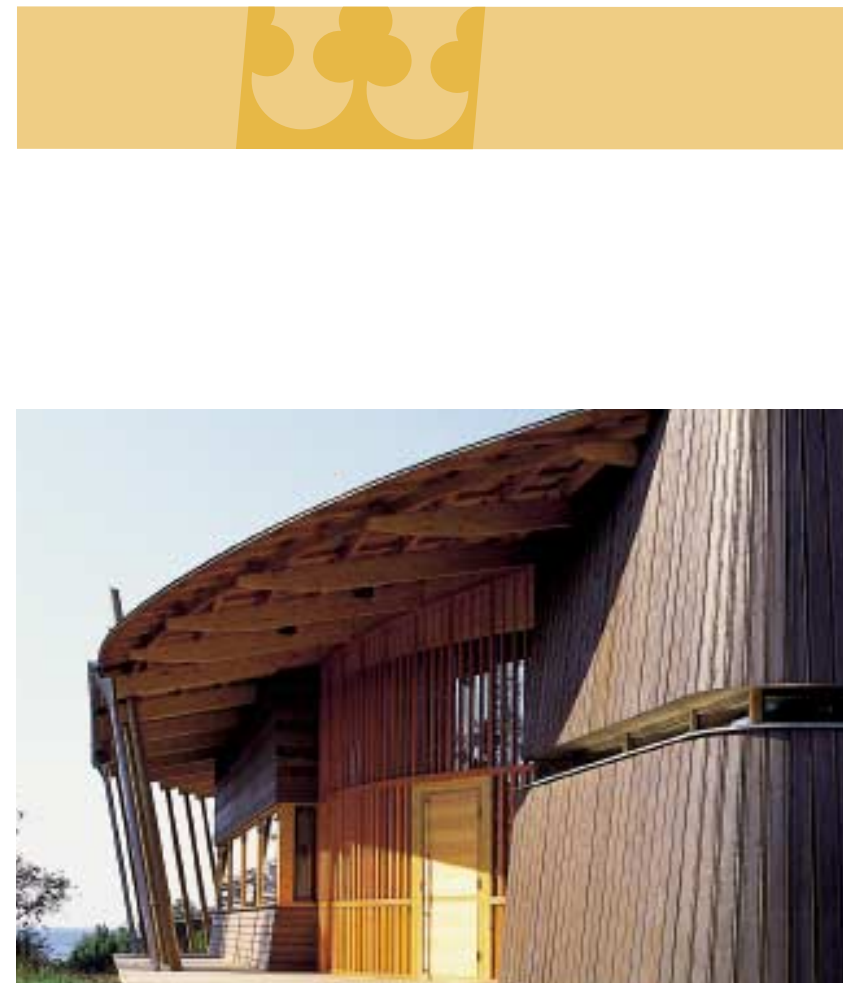


Photo: Wood Focus Oy



Photo: Finnforest

Design

looking good with paint

Photo: Wood Focus Oy



Colours that blend in with the setting

A harmonious ensemble is a masterpiece of a designer. In addition to architectural solutions, colour makes a difference. The seasons have a big impact on the landscape. A colour which looks good in summer's greenery may not fit in at all with the strong colours of autumn or the snows of winter. Tikkurila's large range embrace every colour needed to fit in with nature and the built environment: trendy tones for experimental early adopters, subdued tones for the Scandinavian taste, and traditional colours for buildings of heritage value.

To achieve the desired finish, there is a range of different types of paint, lacquers and stains to choose from for interior and exterior use.

Experts at Tikkurila will help you to choose between the different alternatives for surface finishing and colours.

Ask more from your nearest Tikkurila technical centre.

Treatment systems for added durability

We have developed high-quality products as well as various painting methods and paint systems in co-operation with research institutes and our customers. The paint systems are always specified according to the application and the conditions in which they are to be used. This makes the end-result more durable and solid. The pre-treated, high-quality wood products can usually be finished also with Tikkurila's consumer topcoats.

Photo: Wood Focus Oy



The secret of long life for wood: Pinja 2+

A professionally applied finish with excellent products keeps cladding looking good longer. The Pinja 2+ finishing system has been developed particularly for the industrial treatment of wooden cladding materials. The development figured in the needs of the sawmill industry, the building industry and the end users of wooden structures. Pinja 2+ is a water-borne alternative which is less harmful to the environment. The wastes it generates are easily recycled. The system is Satema-approved: the wood panels have been quality-classified and the

consistent quality of the product has been assured.

The Pinja 2+ system is comprised of two products, Pinja Oil priming oil and Pinja Pro Primer.

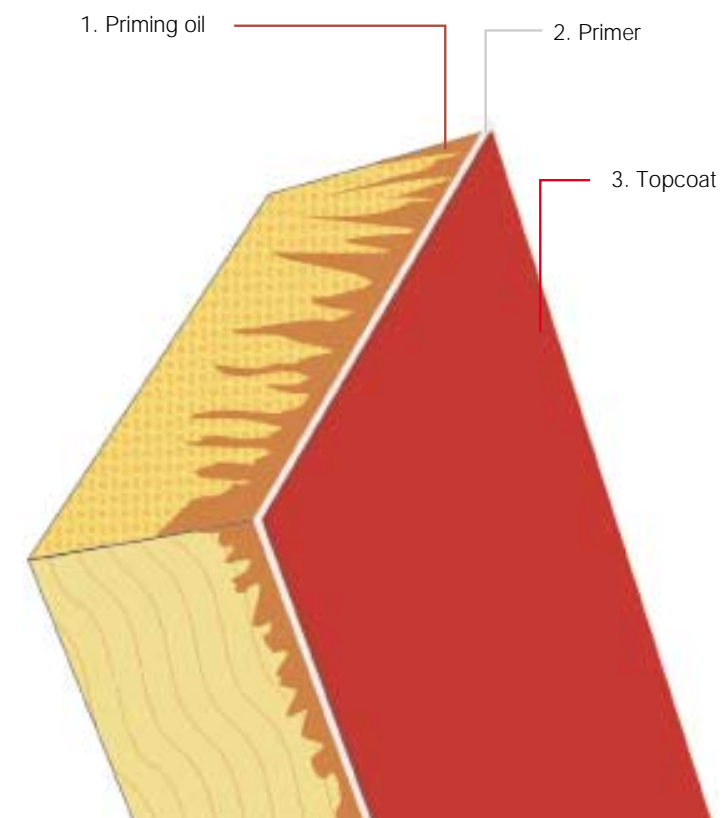
- Pinja Oil is a natural oil-based priming oil which penetrates well into the timber. It contains agents to combat fungi and blue stain.
- Pinja Pro Primer protects wood with its pigments against the harmful effects of UV radiation during transport and installation.



Photo: Wood Focus Oy

Systems

together they stand



Tikkurila's efficient 3-coat application

Pinja products can be used in Tikkurila's 3-coat application. Wood can be given excellent protection by priming it with Pinja Oil priming oil with Pinja Pro Primer.

The topcoat gives the wood colour and gloss, but it also gives it durability against weather and other stresses. The topcoat can be done with either water-borne acrylate paints like Pika-Teho, Ultra or Vinha, or with oil paints such as Teho and Valtti Teho.

Products for exterior surfaces

Water-borne Pinja products can be used for both priming and as a topcoat. A finish with translucent wood stains brings out the living surface of the wood, while opaque tones give the end-result a smooth, beautiful colour. The treatment can be applied to various exterior wood surfaces, such as patios, garden furniture and cladding panels.

Tikkurila's primers and topcoats give the best possible results when used together. When you apply finishing topcoats and repaint in accordance with the instructions, using the same products as the original treatment, you will achieve a durable finish that keeps its value.



Photo: Wood Focus Oy



Other Tikkurila products for surface treatment

With cladding panels primed with Pinja products, Tikkurila acrylate or oil paints can be used for the topcoat. The topcoat should be applied as soon as possible, but no later than 6–10 months after the wood is in place.

Tikkurila's Surface Treatment Guide shows you the correct products for ready-undercoated wooden cladding panels. If you are painting at building site from start to finish, take a look at Tikkurila's Colour Card for Exterior Paints.

Pinja products for industrial painting on exterior wooden surfaces

Primers

- Pinja Oil a natural oil based priming oil
- Pinjasol a fast-drying priming oil

Undercoats

- Pinja Pro Primer an alkyd primer for application to sawn wood on walls, fences and other exterior wooden surfaces
- Pinja Primer an primer for planed wood on walls, fences and other exterior wooden surfaces

Translucent wood stains

- Pinjacolor a tintable wood stain for application to wooden surfaces of windows, external doors, walls, log cabins, etc.
- Pinjasol Color a tintable wood stain for application to wooden surfaces of windows, external doors, walls, log cabins, etc.

Opaque wood stain

- Pinjatop an acrylate-based opaque wood stain for the industrial painting of walls, fences, and other exterior wooden surfaces

Topcoats

- Pinja Pro an acrylate topcoat for the industrial painting of walls, fences, and other exterior wooden surfaces
- Pinjasol Pro a alkyd oil paint for the industrial painting of walls, fences, and other exterior wooden surfaces

Lacquers

- Pinjalac Solid 30 Dipp for lacquering windows, external doors walls, panels, garden furniture and other exterior wooden surfaces

Wood oils

- Pinja W-Oil a wood oil for application to patios, garden furniture and other exterior wooden surfaces

Industrial finishing systems

Sawn surfaces, wooden facades

- Opaque treatment: Pinja Oil priming oil and Pinja Pro Primer. Pinja Pro Primer can be tinted close to the topcoat colour if desired. The topcoat may be Ultra, Pika-Teho or Teho.
- Opaque wood stain type treatment: Pinja Oil priming oil and Pinjatop in the desired colour. Final treatment with Vinha.
- Translucent, film-forming treatment: Pinja Oil priming oil and Akvi Wood Primer tinted to the desired colour and lacquering with tinted Pinjalac Solid.

Patio flooring

- Oil treatment with Pinja W-Oil
- Translucent, non-film-forming treatment: Pinja Oil priming oil and Pinjacolor tinted to the desired colour. Final colour with Valtti Akva Color.

Fine-sawn heat treated wood

- Opaque wood stain type treatment: Pinja Oil priming oil and Pinjatop in the desired colour. Final application with Vinha.
- Translucent, non-film-forming treatment: Pinja Oil priming oil and Pinjacolor tinted (TVT 882R thermally treated wood tone). Final colour with Valtti Akva Color.

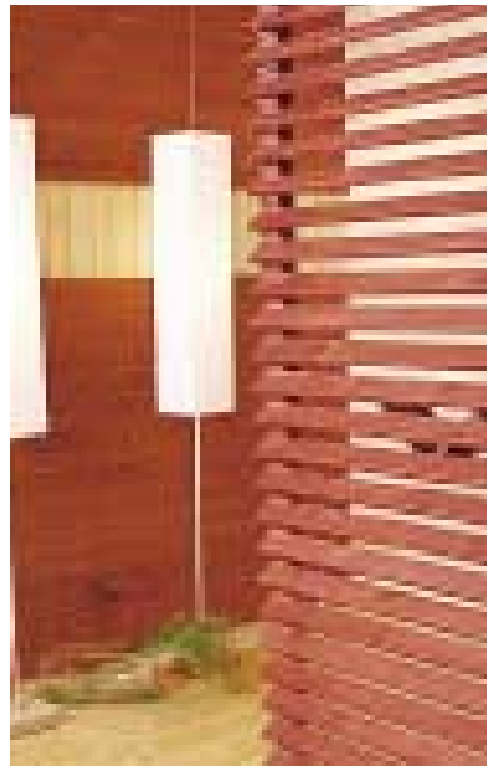
- Translucent, film-forming treatment: Pinja Oil priming oil and Akvi Wood Primer tinted (TVT 882R thermally treated wood tone) and lacquering with tinted Pinjalac Solid.

Glulam board (fine-sawn surface)

- Opaque wood stain type treatment: Pinja Oil priming oil and Pinjatop in the desired colour. Final application with Vinha.
- Translucent, non-film-forming treatment: Pinja Oil priming oil and Pinjacolor tinted to the desired colour. Final colour with Valtti Akva Color.
- Translucent, film-forming treatment: Pinja Oil priming oil and Akvi Wood Primer tinted to the desired colour and lacquering with tinted Pinjalac Solid.

Products for interior surfaces

Wood needs to be protected against yellowing and darkening indoors, too. Careful treatment extends the life of wood and makes it easier to keep the surface clean. With different application methods and quantities applied you can affect on how the wood will look. The right treatment will help the wood keep its stylish good look, year after year.



Industrial finishing systems for interior wooden surfaces

Waxing, so-called whitewashed surface, and white patination

- different kinds of wooden surfaces, like walls, ceilings and furnishings:

For waxing:

- Pinjawax, tintable, water-borne wax

For a whitewashed surface:

- Pinja Kalk, water-borne wax

For white patination:

- Pinja Patine, a water-borne treatment containing lye

- 1-2 coats of the above products, depending on the hiding power desired. The surface may be polished afterwards to achieve a more consistent end result.

Lacquering

- different kinds of wooden surfaces, like walls, ceilings and furnishings:

- Pinjalac 20, semi-matt lacquer - 1-2 coats depending on the amount of body desired.
- wooden walls, ceilings and floor grates in washing rooms:

- Pinja Satin, finish - 1-2 coats depending on the amount of body desired. The natural colour of the wood will be best brought out by using colourless lacquer. Can also be tinted to match the colour scheme in the room.

Painting

- mouldings, panels, doors and various board materials:

- Pinja Surf, water-borne acrylate primer - 1-2 coats depending on the hiding power desired. Pinja Star makes a good topcoat.

- Pinja Star, semi-matt acrylate topcoat - 1-2 coats depending on the hiding power desired. Pinja Surf makes a good primer.



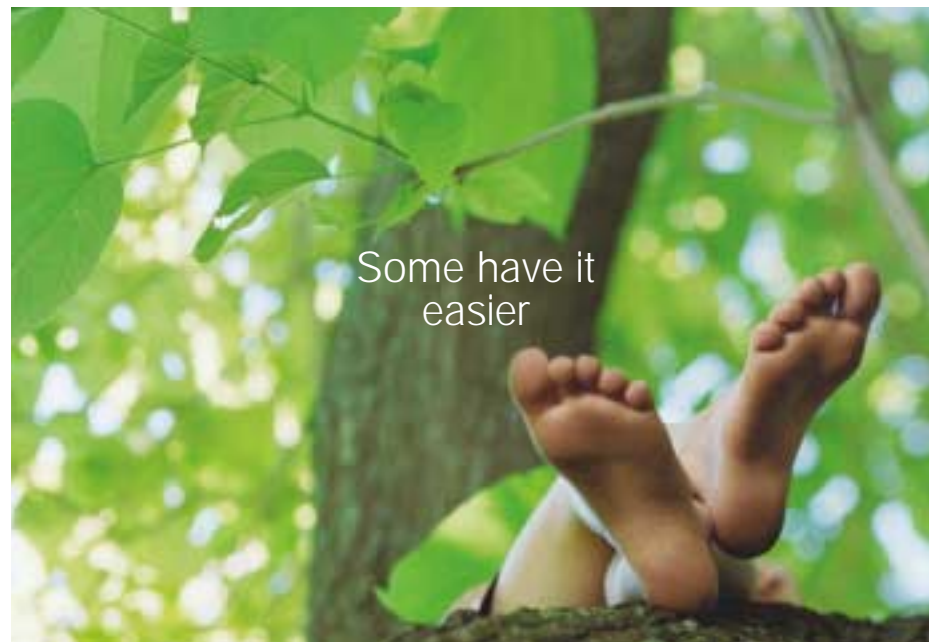
Natural or tinted

The natural colour of wood is best brought out by using a colourless, UV-protected lacquer. A translucent finish, with white lacquer, for example, can affect the colour of the wood while still allowing the beautiful grain to show through. Tikkurila's Pinja products can be tinted to suit the colour scheme of a room. Treatment with water-borne products is safe and convenient.



Healthier and safer

Ecological qualities are one of the most important criteria for successful construction. They also have an important impact on safe and healthy interior air. Pinja products reduce the emission levels of wood panels and therefore improve air quality of interior.



Some have it easier

Our experts are ready to help you with your choice of alternative finishes and colours. You can also order our brochures and painting guides for wooden surfaces from our website www.tikkurila.com

Temaspeed is a first-class service for industrial paint users. Through our Europe-wide distributor network we offer painting professionals the widest range of high-quality coatings manufactured by Tikkurila Coatings, reliable service and fast deliveries.

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LIVING FOR WOOD