

WOOD AS FACADE CLADDING

Here, you get an overview of Nordisk Profil's wooden lamellae, which are used for our Woodfac facade systems. Read about wood species, lifespan, fire impregnation, and maintenance.

Nordisk Profil's wood facades comply with all necessary harmonised standards, guaranteeing a facade provider that meets all requirements and regulations for exterior cladding.

WOOD LAMELLAE FROM NORDISK PROFIL

Nordisk Profil uses only untreated, FSC®- or PEFC™-certified wood for facade lamellae and recommends the following wood species for cladding:

- Thermo ash
- Thermo pine
- Thermo pine premium
- Western Red Cedar
- Thermo ayous
- Accoya

On page 3, you will find an overview of the density, dimensional stability, durability class, lifespan, and system fire rating of each wood species.

THERMO TREATMENT

Wood lamellae are thermally treated to ensure dimensional stability and longevity, except for Accoya, which does not require thermal treatment.

PATINATION

Thermally treated wood is affected by its environment and will naturally patinate over time. However, the patination process varies depending on the wood species and the lamellae placement in relation to cardinal directions and surroundings. Common characteristics of patination include:

- The wood's colour transforms into more grayish tones and hues.
- Wind cracks and small surface fiber lifts caused by UV rays from the sun.

The degree of patination depends on the surrounding environment and whether the wood is protected by coverings or eaves. Lamellae placed near nature, beaches, or high-traffic areas are at a higher risk of surface deposits such as pollen, black spores, fungi, algae, etc. Construction dust can also settle on the wood, leaving calcium and silica residues. For cleaning instructions, see the "Maintenance" section.

FIRE-IMPREGNATED

Facade solutions with lamellae have been fire-classification tested and approved according to EN 14915. See the system fire rating for each wood species on page 3.

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Nordisk Profil uses only Burnblock's Cradle to Cradle certified fire retardant, ensuring a sustainable choice. The fire retardant has achieved full accreditation, approval, and classification according to EN 16755.

MAINTENANCE

On fire-impregnated wood, it is natural for salt deposits and streak marks to appear on the wood's surface. We recommend removing these as the salt retains moisture, which can lead to black spores and fungal growth due to the favorable conditions for dirt, algae, etc., to grow on a damp surface. However, there is no risk of wood-decaying fungi, as these are only visual 'blemishes' that will even out over time as part of the wood's patination process.

Salt deposits and streak marks can be removed by lightly brushing the wood's surface and then wiping it down with a slightly damp cloth.

It is important not to use chemicals to clean wooden lamellae, as this can alter the wood's properties.

HANDLING AND INSTALLATION

Please refer to Nordisk Profil's handling and installation guide for the correct handling of lamellae from delivery to installation.

SUGGESTED WOOD SPECIES TO LAMELLAE

	Average density	Shape stability	Duration* EN 335	Minimum life expectancy **	System-Fire- Class (End Use)
THERMO ASH					
	617 kg/m ³	High	3	50 years	B-s1,d0
THERMO PINE					
	432 kg/m ³	Very high	3	30 years	B-s2,d0
THERMO PINE PREMIUM					
	432 kg/m ³	Very high	3	30 years	B-s2,d0
WESTERN RED CEDAR					
	465 kg/m ³	Very high	3	30 years	B-s2,d0
THERMO AYOUS					
	323 kg/m ³	Very high	3	30 years	B-s2,d0
ACCOYA***					
	525 kg/m ³	Very high	5	+50 years	D-s2,d2

* EN 335 defines 5 duration classes.
Duration class 5 is the highest, class 4 is
the second highest, and so on.

** Minimum expected lifetimes for
vertically mounted lamellae, installed
with Nordisk Profil's system solution.

*** Accoya® is FSC® and Cradle to Cradle
Gold certified, as well as holding a Nordic
Swan Ecolabel. Accoya has a guaranteed
durability for +50 years above ground and
25 years in soil/underwater. The Accoya
wood is from sustainable sources, CO2
neutral, and 100% recyclable.