

NOVATOP SYSTEM SURFACE FINISH

Application	Structural element with surface treatment for interior use
Requirements	SOLID – ETA 17/0004 ELEMENT – ETA 11/0310 OPEN – ETA 15/0209
Technical specifications of the products, see	Technical documentation – SOLID Technical documentation – ELEMENT Technical documentation – OPEN
Wood	Central European spruce
Surface quality	Visual interior (corresponding to B) Classification of quality according to the internal regulations of AGROP NOVA a.s.
Max. format (mm)	12,000 x 2,950 mm
Surface finish for the interior	The visible side and the exposed edges are treated with KOCH & SCHULTE LIGNOPRO® 851 CLT-Varnish UV, a medium-layer glaze based on the finest particles of pure acrylate (dilutable with water), in one layer in an amount of 100–140 g/m ² . The no-visual side and unexposed edges of the panels are without surface treatment.
Coating type	Semi-matte and transparent
Colour tones	KS0000 Farblos, KS1000 Natur, KS0332–50 Weiß 50
Safety Data Sheet	Material number: F1774 Issued on April 1, 2022 www.kochundschulte.de
Safety Data Sheet	Product Identifier: LP851 CLT-Varnish UV Issued on October 18, 2021 www.kochundschulte.de

SAMPLER OF SURFACE TREATMENTS

2in1 | Protection on site and final coating



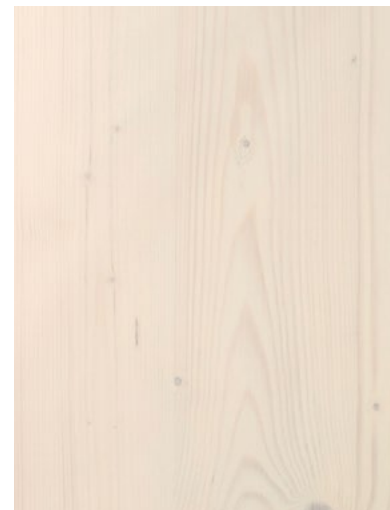
KOCH & SCHULTE
LIGNOPRO 851 CLT-Varnish UV
(1x approx. 120 ml/m²)

Colour tone
KS0000 Farblos



KOCH & SCHULTE
LIGNOPRO 851 CLT-Varnish UV
(1x approx. 120 ml/m²)

Colour tone
KS1000 Natur



KOCH & SCHULTE
LIGNOPRO 851 CLT-Varnish UV
(1x approx. 120 ml/m²)

Colour tone
KS0332 Weiß 50

NOVATOP SYSTEM

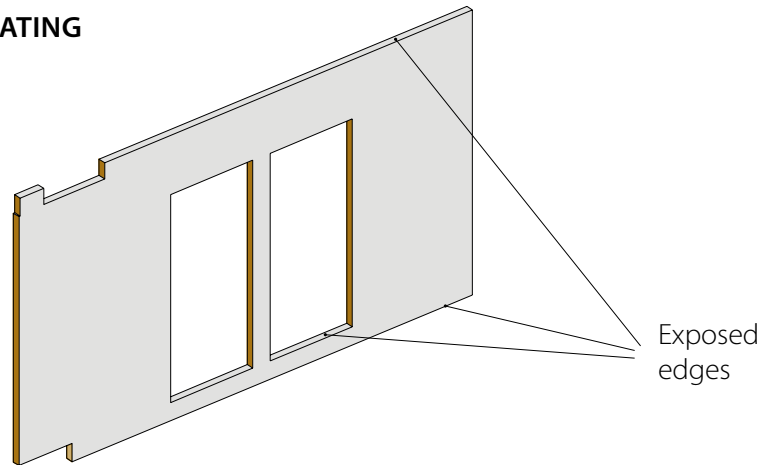
SURFACE FINISH

SURFACE TREATED WITH COATING

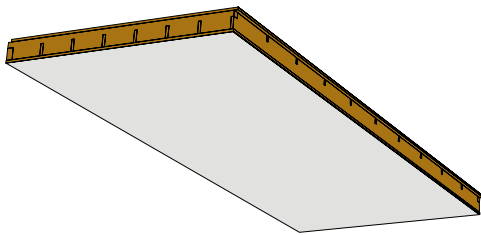
Caption:

 – Surface finish

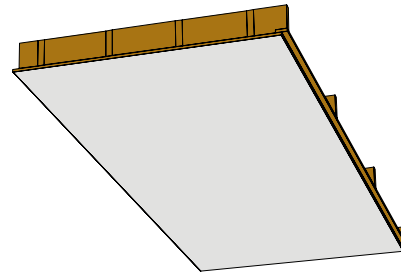
SOLID – view side
and exposed edges



ELEMENT – Bottom view side



OPEN – Bottom view side



EXTRACT FROM THE KOCH & SCHULTE TECHNICAL DOCUMENTATION

PROPERTIES

LIGNOPRO® 851 CLT-Varnish UV is a medium-layer varnish based on the finest particles of pure acrylic. The varnish reduces the colouration (darkening) of the wood caused by UV radiation. Compatible with all commonly available types of adhesives. The coating material has a slight odour, forms a film and is easy to work with. The dyed version provides additional UV protection thanks to pigments that prevent the wood from turning grey due to lignin degradation. The glazing paint controls moisture by protecting the wood from penetrating water while leaving it open to diffusion. The finish is created after just one layer of paint and protects the panel for the life of the building from dirt that can be easily wiped off without penetrating the wood. Depending on the desired finish, an additional layer of paint can also be applied (with or without intermediate sanding).

ADVANTAGES

- The waterproof and moisture-regulating glazing paint enables very easy removal of dirt from the building and restoration of the appearance.
- Wooden surfaces treated with LIGNOPRO® 851 CLT-Varnish UV only absorb a very small amount of moisture. They

prevent the swelling of the outer layers of the wood, thus minimizing subsequent cracking during drying.

- Without penetrating moisture, mould and mould stains no longer occur.
- Thanks to micro pigments and special UV absorbers, the coating achieves optimal UV protection, thus effectively reducing the darkening of wood.

INSTALLATION REQUIREMENTS

- During handling and assembly, it is necessary to observe the principles of structural protection. The maximum exposure time outdoors is 14 days
- Keeping water from splashing 300 mm off the ground, otherwise the board becomes extremely stressed.
- Providing ventilation to achieve the required humidity of up to 18% for parts with unstable shapes
- All assembly material should be intended directly for the task at hand, otherwise moisture may get into cracks caused by improperly applied connecting material.
- Damage caused during operations on the construction site can be repaired locally with the right surface treatment, which completes the entire segment.

NOVATOP SYSTEM

SURFACE FINISH

The LIGNOPRO surface treatment protects the panels at the construction site and, at the same time, it can be left as a final coating in the interior. For a smoother surface, the surfaces can be sanded with 240–280 grit sandpaper.

PROCESSING

Base – treated spruce wood, good quality wood according to the principles of tried-and-tested experience.

- Application in one layer in the amount of 100–140 g/m²
- The finish is applied by hand with a wide brush

NOVATOP SYSTEM panels with surface treatment are treated with a medium-layer glaze based on the finest pure LIGNOPRO® 851 CLT-Varnish UV acrylic. The properties of the product are preserved, which is why it reacts to changes in temperature and humidity by drying out or swelling. Improper storage or use in extreme conditions (extreme temperature and humidity) can lead to cracks and deformations.



PACKAGING

Following the final quality inspection, the NOVATOP panels are packed, including the edge protection, and wrapped in PE foil (protection against changes in humidity, contamination and partially against mechanical damage) and tightened on all sides with a tape. Each package is fitted with an identification label with a description. The labels are located on the bottom left longitudinal side of the package.

STORAGE

Although the NOVATOP panels are coated, they must be stored in an enclosed, dry space and positioned horizontally. After the removal of the protective casing, they must be carefully covered, preferably with a different sheet material. It is essential to avoid exposing of the panels to rain and flowing water. For the protection against water, dirt and excessive solar radiation, we recommend using tarpaulins. The visual areas of the boards must be kept clean; we do not recommend treading on the visual areas and no other materials or loads are placed on the packs.

MANIPULATION

During manipulation, it is necessary to ensure protection of the packaging material, surfaces and edges of the panels to avoid damage. The panels must be at all times protected against adverse weather conditions.

TRANSPORT

As a standard, the panels are transported in lorries (covered semi-trailers), possibly in containers.

ASSEMBLY

During manipulation, it is necessary to ensure protection of the packaging material, surfaces and edges of the panels to avoid damage. For more information, see the Instructions for Assembly.

WARRANTY

As part of the general conditions, we guarantee that the NOVATOP panels with LIGNOPRO® 851 CLT-Varnish UV surface treatment will have the properties and quality corresponding to the product data sheets at the time of delivery. The warranty is valid for a fixed period of 2 years.

If the products are processed and applied correctly and the design recommendations are maintained and the warranty conditions are observed, we can guarantee that the coating stays firm over a large area during the warranty period, that no degenerative damage to the wood occurs and that no renovation coatings are required.

THE WARRANTY DOES NOT COVER:

The warranty does not cover direct or indirect consequential damages. In particular the warranty provides no coverage:

- If our work instructions have not been followed or if the work performed is in conflict with technical rules or standards or the instructions.
- If the delivered materials were not checked or any errors were not reported immediately.
- In the event of damage occurring during installation or after it, as well as damage caused by any improper placement or improper handling.
- For changes in the surface, as well as the formation of cracks, working tars.
- Visual changes in the coating should be considered as regular ageing changes, therefore a change in the colour of the coating or a decrease in gloss are not considered grounds for a complaint.
- Damage caused by insufficient compatibility with third party products (e.g. screed, silicone, etc.).
- Damage caused by improper care and maintenance by the customer.

WARNING

The producer assumes no liability for the damage of the product due to improper storage, processing, unsuitable use or nonobservance of work procedures during the assembly.

NOVATOP SYSTEM SURFACE FINISH

EXAMPLES OF IMPLEMENTATION IN THE INTERIOR



MAINTENANCE

For the maintenance of areas with surface treatment, we recommend using a soft, dry cloth or sponge. In the case of moderate soiling, we recommend using products intended for wooden surfaces.

Do not use excessive amounts of water. Surface damage that cannot be cleaned (alcohol marker, scratches) can be solved

by gently sanding the affected area and then treating it with the same type of coating. The recommended relative humidity of the environment in which the panels are installed is from 40 to 60% at 20 °C. Wood cracks may occur due to low air humidity.