

LIGNEX® DS 601

Solvent-based urethane-reinforced alkyd clear varnish

3230-a May 2025

Description

Product: LIGNEX DS 601 is a solvent-based, urethane-reinforced alkyd clear varnish free from aromatic compounds. It is characterized by excellent surface durability and provides outstanding protection against weathering.

Applications For finishing work on wood, both indoors and outdoors, with dimensional or partial dimensional stability, not in direct contact with soil or water. Ideal for exterior doors and windows, wood exposed in marine environments, and for use on boats above the waterline only.

Protection: LIGNEX DS 601 provides effective protection for wood against weathering.

Colour: 00-colourless. Available in gloss and satin gloss.

Packaging: 0.750 l

Technical Data

Specific weight: 0.91 - 0.93 kg/l, at +20 °C.

Flash point: >61 °C.

Viscosity: 50 - 60 sec, DIN cup, 4 mm, at +20 °C.

Gloss: glossy and satin gloss.

Drying time: dust-dry after approximately 2–4 hours; thoroughly dry after approximately 24 hours, depending on the type of wood, the quantity applied, and the ambient conditions. Drying time increases proportionally with lower temperatures and/or higher humidity levels.

Odour: weak odour; odourless once dry.

Storage: 3 years in the original sealed containers. Store in a cool place, protected from frost. Seal partially used containers tightly; if there is too much air space, transfer the product into smaller containers.

How to apply

General: Mix thoroughly before use.

Application systems: brushing, spraying.

Application temperature: 5 - 35 °C

Surface preparation: The wood to be treated must be dry and free from dust and grease. Do not apply to wood with a moisture content over 15%. Remove any poorly adhering existing coatings. Clean any resinous areas or pockets on the surface with nitro thinner. Extractives present in certain exotic wood species (e.g. iroko) may slow down or even prevent drying. In such cases, the wood should be thoroughly cleaned with nitro thinner beforehand.

Application advice: Wood intended for exterior use should be pre-treated with a protective primer such as HYDROGRUND BPIV, selected according to the level of risk. Refer to the relevant technical data sheets and strictly follow the specified guidelines. Wood installed in indoor environments generally does not require protective primer treatments, except in specific cases: confirmed insect infestations; construction elements installed in damp environments or exposed to water splashes (e.g. shower rooms); and the use of wood species rich in starch (typically hardwoods such as abachi, limba, ramin, and oak sapwood).

End-grain wood should be treated with additional coats of LIGNEX DS 601 to minimize water absorption as much as possible.

Recommended treatments:

- New wood with dimensional stability, for exterior use:	1-2 x Lignex Grund BPIV, 1-2 x Lignex Lasur, colored 1-2x Lignex DS 601 (If applying 2 coats, sand between coats with grit 280.)
- Restoration of interior wood:	1–2x LIGNEX DS 601, depending on the desired finish. If applying 2 coats, sand between coats with grit 280.

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- Restoration of exterior wood:	Remove the parts of the previous coating that do not adhere well to the substrate; clean and sand the surface to improve adhesion. Then 1-2x Lignex DS 601 (If applying 2 coats, sand between coats with grit 280.) If the wood has been restored as new, follow the instructions for new wood.
- Restoration of interior wood:	Remove the parts of the previous coating that do not adhere well to the substrate; clean and sand the surface to improve adhesion. Then 1-2x Lignex DS 601 (If applying 2 coats, sand between coats with grit 280.)

LIGNEX DS 601 does not contain any pigments and therefore offers no protection against UV radiation. It is therefore recommended for outdoor use only as a topcoat over a coloured coating system. We recommend inspecting the condition of exterior coatings two years after application, particularly on elements exposed to the south-west.

Yield: 10 - 12 m²/l per coat.

Dilution: LIGNEX DS 601 is ready for use.

Overpainting: in normal conditions after about 16 hours.

Tool cleaning: Immediately after use, clean with our special cleaner NETTO or with turpentine. Dispose of residues in accordance with applicable regulations.

Special instructions

Ensure adequate ventilation during use. The use of appropriate personal protective equipment is mandatory. Keep out of the reach of children.

Information on disposal, water hazard class, and hazard classification according to VbF and ADR/RID is provided in the safety data sheet, available at <https://myamonn.amonncolor.com/>.

The above instructions reflect the most recent state of knowledge regarding the development and use of our product. Since we have no control over its application on site, our liability is limited to the consistent quality of the product as supplied. In case of doubt, please contact our technical support service.