

LIGNEX[®] COMPACT

Solvent-based urethane alkyd varnish

3228-a April 2017

Description

Product: LIGNEX COMPACT is a solvent-based urethane thixotropic alkyd varnish without any active ingredients.

Applications: for all types of wood both indoor and outdoor. Particularly recommended for windows and external doors.

Protection: LIGNEX COMPACT protects wood from humidity and UV radiation.

Colours: 0-colourless, 01-oak, 03-chestnut, 04-walnut.

All the colours are available in a gloss version only. The colourless version is also available in a silky finish.

Packaging: 0.375* l - 0.750 l - 2.5 l - 5* l - in tins (*only colourless).

Technical data

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

Flash point: > 60 °C.

Viscosity: about 250 mPas at +20 °C.

Gloss: gloss and silky.

Drying time: to the touch after about 2 - 4 hours, at depth after about 24 hours, depending on the type of wood, the quantity applied and the atmospheric conditions. In low temperatures and/or high humidity the drying time is prolonged proportionally.

Odour: weak odour; odourless once dry.

Storage: 5 years. Store at a cool temperature protected from frost. Close partially used tins carefully; if there is a particularly large air space, transfer to smaller containers.

How to apply

General: mix the product well before use.

Application systems: brush, spray.

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 anchored old paint or varnish. Clean any resinous areas or pockets on the surface with nitro thinner. The extracts contained in some types of exotic wood (e.g. iroko) can slow down or prevent drying. In this case, wash thoroughly with nitro thinner beforehand.

Application advice: outdoor wood should be pre-treated with a suitable protective primer, chosen on the basis of the degree of risk, to protect it from attack by animal and/or vegetable parasites (see the technical specifications and follow the instructions closely).

Wood located in indoor environments does not normally need treating with a protective primer, other than in particular situations such as when insect attack has been detected or for construction elements in damp environments or when exposed to water sprays, e.g. in showers, or when applied to starch-rich wood, typically from broad-leaf trees, for example abachi, limba, ramin, oak sapwood.

End-grain wood should be treated with more coats of LIGNEX COMPACT to reduce water absorption as much as possible.

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Recommended treatments:

New outdoor wood:	1-2 x Lignex GRUND BPlv, 1-2 x LIGNEX COMPACT coloured, according to the degree of finishing required (if using 2 coats, sand down between them, 280 grain).
New indoor wood:	1-2 x LIGNEX COMPACT, according to the degree of finishing required (if using 2 coats, sand down between them, 280 grain).
Restoration of outdoor wood:	remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then 1-2 x LIGNEX COMPACT, with sanding down between them, 280 grain. If the wood has been restored as new, follow the instructions for new wood.
Restoration of indoor wood:	remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then 1-2 x LIGNEX COMPACT, according to the state of the surface and to the degree of finishing required (if using 2 coats, sand down between them, 280 grain).

Colourless LIGNEX COMPACT does not contain any pigments and therefore does not provide UV radiation protection. It is therefore advisable to use this outdoors only as a top coat on coloured paint or to lighten dark shades. The effect of individual colours will vary with the type of wood and therefore it is always advisable to do a test application. We recommend checking the state of outdoor paint 2 years from application, particularly for items with south-west exposure.

Consumption: approx. 10 m²/l per coat.

Dilution: LIGNEX COMPACT is ready to use with a brush.

Over-painting: in normal conditions after about 16 hours.

Tool cleaning: with thinner for synthetics or nitro thinner, immediately after use.

Special instructions

Always take the relevant precautions for working with paint/varnish.

During use ensure the face, hands and eyes are adequately protected and that the working area is properly ventilated. Cover electrical switches and cables properly to avoid short circuits. Avoid working near naked flames or sparks. In case of spray application or if there is inadequate ventilation, wear respiratory equipment. Do not allow the product to pollute water courses, drainage and sewage water or let it penetrate the soil.

Water hazard class: WGK 1, low hazard to water (self-classification).

VbF classification: not classified

European waste catalogue: 08 01 11 paint and varnish containing organic solvents or other dangerous substances.

ADR/RID: not applicable

The above instructions are consistent with the most recent information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.