

HYDROLIGNEX DESIGN

Water-based wax-effect decorative impregnating finishing treatment

3065-a May 2017

Description

Product: HYDROLIGNEX DESIGN is a water-based wax-effect impregnating finishing treatment, for protecting and enhancing wood. It is free from biocides. The innovative range of colours makes it ideal for enhancing and beautifying any wooden item while providing protection and increased weather-resistance.

Applications: for all types of indoor and outdoor wood that is not in direct contact with soil or water. It is particularly recommended for wood with partial and no dimensional stability, such as claddings for façades, balconies, wooden houses, beams, pergolas, woodwork in general, etc.

Protection: HYDROLIGNEX DESIGN protects wood from humidity and UV radiation.

Certifications: Tested according to EN 71-3 Toy safety - Migration of certain elements

Colours: Gli elementi: 511 Sabia, 512 Neve, 513 Cielo, 514 Oceano, 515 Fuoco, 516 Universo

La natura: 531 Cenere, 532 Oliva, 533 Mais, 534 Zafferano, 535 Argilla, 536 Tabacco, 537 Terra,
538 Bosco, 539 Rame

Le città: 551 Roma, 552 Verona, 553 Milano, 554 Trieste, 55 Torino, 556 Genova, 557 Napoli,
558 Venezia

Packaging: 1 L - 2,5 L – 5 L in metallic tins

Technical data

Specific weight: approx. 1,03 – 1,05 kg/l at +20 °C

Flash point: not applicable.

Viscosity: 150-200 s/DIN cup 2 mm at +20 °C

Drying time: after 2-4 hours according to 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: 1 year in the original closed containers. 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 using. Do not work at temperatures below +10°C (environment, surface or product).

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 18%. Remove any poorly anchored old paint or varnish. Clean any resinous areas or pockets on the surface with nitro thinner.

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, for example HYDROGRUND PLUS (please refer to the product's technical and safety datasheet for more information).

Wood located in indoor environments does not normally need treating with protective primers, 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.

If large surfaces or highly absorbent types of wood are to be treated using a brush, moisten the wood with a damp sponge before application. To avoid leaving re-start marks, apply the product in the direction of the grain.

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

Metal fixings (nails, screws, hinges etc.) used on the surface to be treated and other metal parts that may come into contact with the product must be in a corrosion-resistant material.

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Recommended treatments:

- New outdoor wood	1-2x HYDROGRUND PLUS or AQUALIGNEX I, colourless 1-2x HYDROLIGNEX DESIGN
- New indoor wood	1-2x HYDROLIGNEX DESIGN
- 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 1-2x HYDROLIGNEX DESIGN If the wood has been restored as new, follow the instructions for new wood. If the surface is extremely absorbent, saturate wood with AQUALIGNEX I colourless.
- 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 1-2x HYDROLIGNEX DESIGN

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 - 16 m²/l per coat.

Dilution: HYDROLIGNEX DESIGN is ready to use with a brush. If necessary, dilute with water.

Over-painting: in normal conditions it can be sanded down and over-painted after about 4 hours.

Tool cleaning: with water and detergent immediately after use. Cleaning residues should be disposed of as prescribed by current regulations.

Special instructions

Contains a mix of: 5-Chlor-2-methyl-2H-Isotiazol-3-on [EC no. 247-500-7] and 2-Methyl-2H.isotiazol-3-on [CE no. 220-239-6] (3:1); 2,4,9-Tetramethyldec-.5-4,7-dol. May cause an allergic reaction.

Even when using products low in hazardous substances, the usual precautions should be taken for working with paint. Always ensure adequate ventilation. Keep out of the reach of children. In the event of contact with the skin or eyes, rinse immediately and carefully with water. Cover electrical switches and cables properly to avoid short circuits. Do not allow the product to pollute water courses, drainage and sewage water or let it penetrate the soil.

Disposal: Dispose of the product and its residues according to current regulations. European waste catalogue number: 08 01 12.

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

VbF classification: not classified.

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.