

CLOE ZEFIRO

Uniforming water-based matt impregnating agent with natural resins

3C51-a August 2022

Description

Product: CLOE ZEFIRO is a water-based wood protective and decorative impregnating agent, based on natural resins and free of added solvents and volatile organic compounds. Easily penetrates wood, does not film or therefore does not crack, but wears off evenly over time. Its special formula helps create a matt, elegant surface. CLOE ZEFIRO contains active ingredients to protect the film from micro-organisms.

Applications: for transparency treatments on dimensionally unstable to dimensionally stable open-pore wood in indoor and protected outdoor environments. Especially suitable for roofs and structures and for application both by hand and with an impregnating machine.

Colours: T01 OAK; T03 CHESTNUT; T04 WALNUT; T09 ROSEWOOD; T10 LIGHT WALNUT; T13 PINE; T14 DOUGLAS; T19 CYPRESS; T27 TEAK; T34 DARK WALNUT; T48 DARK OAK; T49 LIGHT OAK; T51 MATT WHITE; T60 COLOURLESS UV;

Packaging: 0,75 l - 2,5 l - 5 l – 20 l in tinplate drums

Technical Data

Specific weight: approx. 1.02- 1.14* g/cm³, at +20 °C., depending on the colour

Flash point: >100 °C.

Viscosity: approx. 58 s/ DIN cup 53211, 2 mm, at +20°C

Drying time: depending on the type of wood, quantity of paint applied and the atmospheric conditions: approx. 2 - 4 hours. High air humidity and/or low temperatures slow down drying.

Odour: own faint odour; odourless after drying

Storage: shelf life 2 years in original closed containers. Store at a cool temperature protected from frost (min 5 – 7°C). Close partially used tins carefully; if there is a particularly large air space transfer to smaller containers.

How to apply

General instructions: mix ZEFIRO well before using. Do not work at temperatures below +10°C (environment, surface or product).

Application systems: brush, impregnating machine, immersion

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%. Completely remove old film-forming coatings as they would prevent the product from penetrating into the wood. For biological wood protection outdoors, it is necessary to pre-treat with a certified protective primer such as AQUAPROFI HYDROGRUND PLUS BP or AQUAPROFI GRUND PLUS BPIVT (please read the warnings in the respective data sheets). For wood completely exposed to weathering, weather protection needs to be increased with 1 – 2 coats of CLOE ALICANTO.

Application advice: If large surfaces or highly absorbent types of wood are to be treated, moisten the wood with a damp sponge before application. To avoid streaking, treat the surfaces along their full length following the direction of the grain. Hardware (nails, screws, hinges) as well as other metal parts that may come into contact with the product must be made of corrosion-resistant material.

Recommended treatments:

- New indoor wood:	1–2x CLOE ZEFIRO
- New protected outdoor wood:	1–2x AQUAPROFI HYDROGRUND PLUS BP or AQUAPROFI GRUND PLUS BPIVT 1–2x CLOE ZEFIRO
- Restorations:	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 CLOE ZEFIRO

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Warnings: CLOE ZEFIRO colourless UV contains special pigments to counteract the natural yellowing of wood. It is therefore only advisable to use it on light, untreated wood or to lighten dark colours. The effect of individual colours will vary with the type of wood and therefore it is always advisable to do a test application.

* Matt white colours, although still an impregnating agent, come in pasty form due to their high white pigment content. For these colours, it is essential to apply at least 2 coats to minimise the effects of yellowing of the wood. Choosing a higher coverage and whiteness significantly reduces the reappearance of the original wood colour. The matt white colour is also designed to optimise application with an impregnating machine. As always, the best result is obtained with two coats, but this specific formulation allows you to obtain a white surface that is intense and uniform over time and that strongly limits yellowing of the wood even with a single coat in the impregnating machine.

Consumption: 15- 17 m²/l, per coat, depending on the wood absorption.

Dilution: CLOE ZEFIRO is ready to use and does not need to be diluted.

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

Tool cleaning: with water immediately after use.

Special instructions

Check the information in the safety data sheet. Even when applying biocompatible, petroleum-derivative-free products, the usual precautions should be taken for working with paint. Always ensure adequate ventilation. Cover electrical switches and cables properly to avoid short circuits. Keep out of the reach of children. In the event of contact with the skin or eyes, rinse immediately and carefully with water. When cleaning surfaces painted with CLOE ZEFIRO, do not use alcohol- or solvent-based products or products of an acid or basic nature. Only use water with neutral soap or mild neutral detergents. In case of spillage, it must be collected and disposed of properly. Do not let the product to enter drains, water courses or soil.

Disposal: Only dispose of perfectly clean containers at recycling centres. Do not dispose of soiled containers and material residues as domestic waste but at special waste collection centres. Do not dispose of the product and its residues into drains, surface water or soil.

TOTAL DECLARATION OF RAW MATERIALS

Water, borates, vegetable resins, natural oils, glycerine, casein, silica, soya lecithin, cellulose, xanthan gum, attapulgit, ammonium hydrate, sodium hydroxide, IPBC, mineral pigments depending on the shade (coloured pigments, mineral oxides, ultramarine pigments, titanium dioxide, kaolin, bone black).

FREE FROM: acrylic, polyurethane, vinyl and alkyd resins of petrochemical origin.

TOTAL VOC CONTENT DECLARATION – Directive 2004/42/EC of the European Parliament

Definition of VOC (volatile organic compound): any organic compound having an initial boiling point of 250°C or less, measured at a standard pressure of 101.3 kPa.

	Subcategory	Type	Limit g/l*	VOC g/l
f	Non-film-forming impregnating agents for wood	A	130	0 g/l

* maximum permitted VOC limit from 1/01/2010 according to Directive 2004/42/EC.

The above instructions are consistent with the most recent information on development and application techniques. Because we have no control over the on-site use and application of the products, we are solely responsible for their consistent quality. If in doubt, please request our technical advice.