

## CLOE CALATHEA

Water-based impregnating treatment with natural resins

3C49-a August 2022

### Description

**Product:** CLOE CALATHEA is a water-based impregnating wood stain with natural resins, free of added solvents and volatile organic compounds. It penetrates deeply, does not film, does not crack and highlights the wood grain with a brilliant effect. CLOE CALATHEA 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; characterised by its excellent flow, which avoids unsightly colour streaks. Can be used with impregnating machines and is especially suitable for machines with air/brush technology.

**Colours:** S00 COLOURLESS; S21 HONEY; S10 LIGHT WALNUT; S14 DOUGLAS; S04 WALNUT; S34 DARK WALNUT.

**Packaging:** 20l in tinplate drums

### Technical Data

**Specific weight:** approx. 1.02 g/cm<sup>3</sup>, at +20 °C., depending on the shade

**Flash point:** >100 °C.

**Viscosity:** approx. 50 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 CALATHEA 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 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 CALATHEA
- New protected outdoor wood:	1–2x AQUAPROFI HYDROGRUND PLUS BP or AQUAPROFI GRUND PLUS BPIVt 1–2x CLOE CALATHEA
- 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 CALATHEA

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**Warnings:** Colourless CLOE CALATHEA does not contain any pigments and therefore does not provide sufficient protection against UV radiation, so it is only recommended for outdoor use 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.

**Consumption:** 15- 17 m<sup>2</sup>/l, per coat, depending on the wood absorption.

**Dilution:** CLOE CALATHEA 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 CALATHEA, 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, attapulgate, ammonium hydrate, sodium hydroxide, IPBC, mineral pigments depending on the shade (coloured pigments, mineral oxides, ultramarine pigments, 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.*