

### Natural products for wood

Quality • Nature • Wellbeing Wood treatments

**Product catalogue** 



2nd EDITION





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For a healthy life, man needs the elements that nature offers, as does the world of construction and in particular the interiors of our homes.

Statistics now show that allergies and other pollution-related illnesses are steadily on the rise. For this reason, more and more consumers and designers are in search of healthy products, where possible made from natural, sustainable and renewable raw materials.

On the other hand, quality must not be compromised, so it is important to nourish timber structures and claddings with products that restore the natural qualities of the materials and produce sensations of well-being and harmony.

The most widely used basic substance in chemistry today is petroleum, from which thousands of derivatives are synthesised, available to industry for the production of different formulations. By contrast, the choice of raw materials in the field of natural paints is less than a hundred. The future needs to bring new solutions, relying on resources of a different, sustainable nature. The basic raw materials for future chemistry are available in our biosphere in an abundance of plant species and varieties and can be used to produce completely biodegradable paints.

Amonn intends to use the Cloe line to reclaim the term "natural paint", taking it to another level. This is because Cloe paints consist of more than 97% natural origin raw materials and do not contain petrochemical solvents, acrylic, vinyl and alkyd resins of petrochemical origin. Furthermore, thanks to clean technologies, Cloe products do not produce environmental damage even in disposal and are reintegrated into the vital biological cycle of the nature from which they originate.

**OUR HOPE:** 

# live healthy and respect nature!

### Did you know...

...the name **Cloe** (*Chloe*) has Greek origins and is also used as an epithet for Demeter, the Greek goddess of nature and crops. Its etymology means "green", "young", "fresh" and indicates in particular newly sprouted grass.



#### **RAW MATERIALS**

Our product formulations protect the treated surfaces with vegetable-origin resins. Staining is achieved by using mineral pigments such as iron oxides, ultramarine pigments, earth pigments and bone blacks, and excluding the use of petrochemically-synthesised organic pigments. The vegetable surfactants used for the emulsions and in cleaning products are biodegradable and phosphorus-free. The additives in turn are chosen from those with the lowest environmental impact.

Cloe products do not pollute the indoors and have a very low environmental impact even in disposal.

#### **TRANSPARENCY**

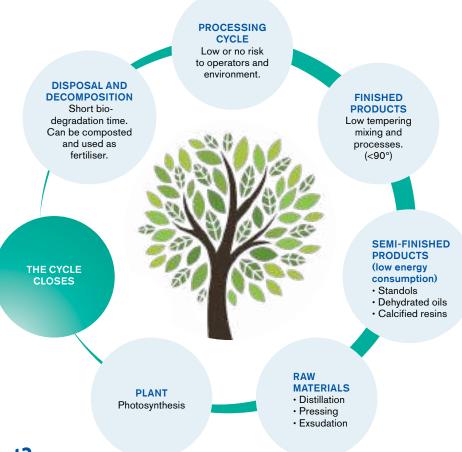
The **Cloe** line voluntarily declares all the raw materials used in order to guarantee its customers the real possibility of making a conscious choice, with the aim of protecting their own health and that of the environment.

Cloe voluntarily declares the full list of raw materials on each product label.



### Plant chemistry: the closed life cycle

The life cycle of materials is the sum of all the production stages in which a material is used. The cycle can be closed or open, depending on whether or not the same material can be used several times in different production cycles.



### What is natural paint?

Natural paint is composed of substances that are:

- Biocompatible
- Non-toxic and non-harmful

#### It must however be kept in mind that:

- A non-harmful substance may not be biocompatible
- A harmful substance may be biocompatible

# SO: Only the simultaneity of the two conditions makes a paint natural and healthy!

### **Quality and safety**

According to the Amonn philosophy, all products leaving the production plant respect the environment and the safety standards in force in terms of paint and wood protection. Amonn carries out all the necessary tests on its own initiative, scrupulously following European directives, to guarantee the customer complete safety and reliability in terms of effectiveness. The quality labels offered by Amonn underline the company's constant commitment to offering its customers the best solutions and services.

### Our symbols



Products free of volatile organic compounds.



Products that reflect the environmental philosophy of Amonn



Products with special water-based formulation.



Products that do not contain petrochemical solvents, acrylic, vinyl and alkyd resins of petrochemical origin.

### What elements make up our natural paints?

COMPONENT	FUNCTION	THE CLOE CHOICE
BINDER	Basic paint product component with an adhesion and protection function.	Vegetable resins     Vegetable oils and their derivatives
SOLVENT	Liquid substance that dissolves the binder, adjusts viscosity and evaporates to leave a dry film.	• Water • Terpenes
PIGMENTS	Substances that provide colour and filling giving the paint a protective, decorative function.	MINERALS (high outdoor resistance)  Natural soils Iron Oxides Titanium dioxide Other minerals  VEGETABLE (poor outdoor resistance) Indigo Cochineal  ANIMAL (very good outdoor resistance) Animal charcoal
FILLERS	Natural minerals that give the paint a matt effect.	• Silica • Clay
ADDITIVES	Substances added in small quantities (<2%) that have various functions.	Vegetable and animal origin surfactants: Lecithin Casein Vegetable oil derivatives  Plant- and mineral-derived thickeners: Cellulose Xanthan gum  Mineral-derived preservatives Plant-derived defoamers Desiccants free of harmful heavy metals

#### THAT'S WHY

Cloe paints consist of more than 97% natural origin raw materials and do not contain petrochemical solvents, acrylic, vinyl and alkyd resins of petrochemical origin.



## Amonn is Ethic... Cloe is Ethic Green

As a company founded 200 years ago - then and now family-run - Amonn has always placed human values, respect for people and protection of the environment at the forefront, even in the face of relentless progress.

Without giving up on offering the best the market has to offer, this "ethical" approach is aware that it must also leave the next generations a better and more livable world. The **Ethic Green** project is Amonn's way of giving concrete expression to its long-standing desire to offer particularly environmentally friendly products to all its consumers and users.

Amonn adopts all the solutions that are technologically feasible today so that its products have as little impact on the environment and on people's health as possible. The new **Cloe** line represents a decisive step in the right direction.

Find out more at:

www.ethicgreen.com



**Products for wood construction** 



### **Cloe Calathea**

### Water-based impregnating treatment with natural resins

#### **Features**

- Colours the wood, giving a rich velvety finish
- · Does not form a film or peel off
- Excellent flow even when applied by hand
- Enhances the wood grain
- Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- Contains active ingredients to protect the film from micro-organisms

#### **Applications**

For treatments on wood not in direct contact with the ground or water in indoor and protected outdoor environments. Suitable for application by hand as well as with impregnating machines and in particular with air/brush machines. For wood completely exposed to weathering, weather protection needs to be increased with Cloe Alicanto.

#### **Drying time**

Approx. 2 - 4 hours, depending on the type of wood.

#### **Yield**

 $15 - 17 \text{ m}^2/\text{l}$ , per coat depending on the wood absorption.

#### Total declaration of raw materials

Water, borates, vegetable resins, natural oils, glycerine, casein, silica, soya lecithin, cellulose, xanthan gum, attapulgite, 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 (volatile organic compounds) declaration

The EU limit value for this product is 130 g/l. This product contains 0 g/l VOC.

#### **Packaging**

0,75 | - 2,5 | - 5 | - 20 |







Brush In

gnating Immersion

Indoor/ outdoor use

#### Colours







S21 Honev

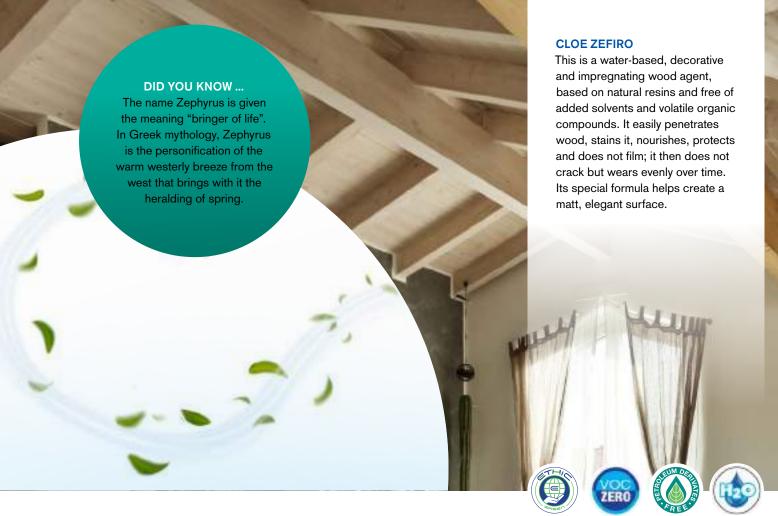
S10 Light walnut

S04

S34

Also available in "00 colourless".





### Cloe Zefiro

#### **Uniforming water-based matt impregnating** treatment with natural resins

#### **Features**

- Protects wood
- · Gives an elegant matt effect
- · Does not form a film or peel off
- · Excellent flow even when applied by hand
- · Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- · Optimises appearance with good colouring of knots
- Contains active ingredients to protect the film from micro-organisms

#### **Applications**

For treatments on wood not in direct contact with the ground or water in indoor and protected outdoor environments. Suitable for application by hand as well as with impregnating machines. For wood completely exposed to weathering, weather protection needs to be increased with Cloe Alicanto.

#### **Drying time**

Approx. 2 - 4 hours, depending on the type of wood

#### **Yield**

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

#### Total declaration of raw materials

Water, borates, vegetable resins, natural oils, glycerine, casein, silica, soya lecithin, cellulose, xanthan gum, attapulgite, 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 (volatile organic** compounds) declaration

The EU limit value for this product is 130 g/l. This product contains 0 g/l VOC.

#### **Packaging**

0,75 | - 2,5 | - 5 | - 20 |







Brush Impregnating

outdoor use

#### Colours









Chestnut











Light walnut

T34 Dark walnut







Lime white





### **Cloe Maranta**

#### Water-based glossy impregnating agent with natural resins

#### **Features**

- Protects wood
- Multiple coats give a brilliant waxed effect
- Offers good weather resistance
- Penetrates deeply, does not film or crack
- Easy to use without colour streaks
- · Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- · Contains active ingredients to protect the film from micro-organisms

#### **Applications**

For treatments on wood not in direct contact with the ground or water in indoor and protected outdoor environments. Ideal for application by hand without the problem of streaks forming, it can also be applied using an impregnating machine. For wood completely exposed to weathering, weather protection needs to be increased with Cloe Alicanto.

#### **Drying time**

Approx. 2 - 4 hours, depending on the type of wood.

#### **Yield**

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

#### Total declaration of raw materials

Water, vegetable resins, tung oil, borates, casein, soya lecithin, attapulgite, sodium hydroxide, iron desiccant and IPBC. Depending on colour: kaolin, iron oxides, bone black, titanium dioxide, aluminum magnesium silicate.

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

#### **Total VOC (volatile organic** compounds) declaration

The EU limit value for this product is 130 g/l. This product contains 0 g/l VOC.

#### **Packaging**

0,75 | - 2,5 | - 5 | - 20 |

Also available in "S00 colourless".

\* The colours antique grey and pure white are are only available in the 20 litre industrial size packaging



Brush





Impregnating

outdoor use

#### Colours









Honey

Light walnut

Douglas









Walnut

Dark walnut

Light white

Pearl grey

Quartz grev



Antique grey









### **Cloe Alicanto**

### Water-based protective impregnating top coat with natural resins

#### **Features**

- Increases weathering resistance
- Excellent UV protection
- Available in the versions colourless matt, satin gloss or glossy
- Provides an elegant finish to the surface
- Penetrates wood, does not film or crack
- Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- Contains active ingredients to protect the film from micro-organisms

#### **Applications**

For treatments on wood not in direct contact with the ground or water in indoor and outdoor environments. Ideal for increasing resistance to weathering.

#### **Drying time**

Approx. 8 - 12 hours, depending on the type of wood. (The high dry residue and vegetable oil content can give a damp feel for up to more than 24 hours depending on environmental conditions).

#### **Yield**

 $13 - 15 \text{ m}^2/\text{I}$ , per coat depending on the wood absorption.

#### Total declaration of raw materials

Water, vegetable resins, tung oil, borates, casein, soya lecithin, attapulgite, sodium hydroxide, silica, iron-based desiccant and IPBC.

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

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 130 g/l. This product contains 0 g/l VOC.

#### **Packaging**

0,75 | - 2,5 | - 5 | - 20 |







;

Indoor/ outdoor use

#### **Colours**

M00 Colourless matt S00 Colourless satin gloss G00 Colourless glossy



### **Products for wood flooring**



### **Cloe Wood Sealer**

#### Oil and natural resin-based sealer for parquet floors

#### **Features**

- Penetrates deeply and does not film
- Prepares the parquet for oil-wax top coats
- Reduces and evens out wood absorption
- Easy to use
- · Ready to use

#### **Applications**

Suitable as a primer for indoor wooden floors.

#### **Drying time**

Approx. 8 - 12 hours, depending on the type of wood.

#### Yield

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

#### Total declaration of raw materials

Orange terpene, linseed oil, tung oil, dammar gum, rosin, clays, lead-free desiccants. **FREE FROM:** acrylic, polyurethane, vinyl and alkyd resins of petrochemical origin.

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 700 g/l. This product contains < 610 g/l VOC.

#### **Packaging**

0,751-51









Spreader/

Brush

Spray

Indoor use

#### Colours

S00 colourless





### **Cloe Hard Oil**

#### Natural hard wax oil for interior wood surfaces

#### **Features**

- Water-repellent
- · Protects from stains and wear
- Penetrates deeply and does not film
- Easy to use
- Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- · Ready to use

#### **Applications**

Suitable for the treatment of interior wooden floors and furniture as well as kitchen and worktops.

#### **Drying time**

Approx. 12 - 24 hours, depending on the type of wood.

#### **Yield**

 $25 - 30 \text{ m}^2\text{/I}$ , per coat depending on the wood.

#### Total declaration of raw materials

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

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

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 700 g/l. This product contains < 610 g/l VOC.

#### **Packaging**

0,751 - 51









Spreader/

Brush

Spray

Inde

#### Colours

S00 colourless





### Cloe Wood & Deck

### Water-based oil-wax for outdoor wooden floors and furniture

#### **Features**

- Penetrates deeply, does not film or crack
- Protects wood
- · Easy to use
- Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- Contains active ingredients to protect the film from micro-organisms

#### **Applications**

Suitable for the initial treatment and maintenance of wood subjected to trampling but also for wooden furniture, cladding, structures and fixtures in outdoor environments.

#### **Drying time**

Approx. 2 hours, depending on the type of wood.

#### Yield

 $10 - 12 \text{ m}^2/\text{I}$ , per coat depending on the wood.

#### Total declaration of raw materials

Water, vegetable resins, tung oil, borates, casein, soya lecithin, attapulgite, sodium hydroxide, carnauba wax, iron desiccant, IPBC, mineral pigments (mineral oxides, bone black).

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

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 130 g/l. This product contains 0 g/l VOC.

#### **Packaging**

0,75 | - 5 | - 20 |









Spreader/

Brush

Spray

y Outdoor use

#### Colours

T90 Amber







### **Cloe Wood Soap**

### Nutrient rich cleaner for oiled/waxed wood or terracotta floors



- Gently cleanses
- Nourishes wood
- Cleans from stubborn stains without depleting treatments
- Penetrates deeply and nourishes the wood
- Pleasant eucalyptus scent

#### **Applications**

Ideal for deep cleaning of both oiled and waxed wooden and/or terracotta floors.

#### Total declaration of raw materials

Water, coconut oil soap, natural oils, glycerine, cellulose, eucalyptus essential oil.

**FREE FROM:** non-biodegradable surfactants, artificial fragrances.

#### **Packaging**









### **Cloe Liquiwax**

### Self-polishing liquid wax for oiled/waxed wooden or terracotta floors

#### **Features**

- Self-polishing
- Renews, cleanses and protects
- · Easy to use
- Leaves the pores of the wood open
- Pleasant lavender scent

#### **Applications**

Suitable for keeping wooden and/or terracotta floors oiled and waxed.

#### **Drying time**

Approx. 15 – 30 min, depending on the type of wood. Can be walked on after 1 hour.

#### Total declaration of raw materials

Water, gum arabic, vegetable oils, ethyl alcohol, essential lavender oil, lecithin, carnauba wax.

**FREE FROM:** synthetic waxes, artificial perfumes, acrylic, polyurethane, vinyl and alkyd resins of petrochemical origin.

#### **Packaging**





Spreader/

Indoor use





#### **CLOE WOOD OIL**

This is a natural oil ideal for the special maintenance of indoor oiled and waxed wooden floors that have been greyed and depleted by treading. Cloe Wood Oil cleans stubborn stains, enhances the tone of the wood, nourishes it and regenerates its original shine and water-repellency.





### **Cloe Wood Oil**

### Natural oil for maintenance of oiled/waxed parquet floors

#### **Features**

- Cleanses and protects wood
- Penetrates deeply and does not film
- Easy to use
- Leaves the pores of the wood open and controls the exchange of moisture between the wood and the air
- Ready to use

#### **Applications**

Suitable for the special maintenance of any wood treated with oil-wax.

#### **Drying time**

Approx. 4 - 8 hours, depending on the type of wood.

#### **Yield**

25 - 30 m<sup>2</sup>/l, per coat depending on the wood absorption.

#### Total declaration of raw materials

Orange terpene, natural pine, tung and linseed oils, lecithin, carnauba wax, ethyl alcohol, calcium resinate, clays, lead-free desiccants.

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

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 700 g/l. This product contains < 610 g/l VOC.

#### **Packaging**





Spreader/

Indoor us





### **Cloe Cleaner**

### Alkaline cleanser and degreaser

#### **Features**

- Cleans powerfully
- Degreases and removes oily residues

#### **Applications**

Suitable for cleaning machines, brushes and paint rollers. Can also be used as paint stripper.

#### Total declaration of raw materials

Water, potassium hydroxide, soy lecithin, vegetable oils, linseed oil and pine oil. **FREE FROM:** acrylic, polyurethane, vinyl and alkyd resins of petrochemical origin.

#### **Packaging**



Brush





### **Cloe Thinner**

#### Plant-based thinner with orange terpenes

#### **Features**

- Natural thinner
- Solvent for greases, oils, waxes, resins and oil-resin paints
- Suitable for washing and degreasing surfaces to be painted
- Suitable for removing stains and cleaning surfaces such as glass, tiles, Formica tops etc.
- Excellent for "fine arts"
- Also replaces white spirit and turpentine for conventional products

#### **Applications**

Suitable for diluting oil-resin paints but also for cleaning tools.

#### Total declaration of raw materials

Orange terpenes.

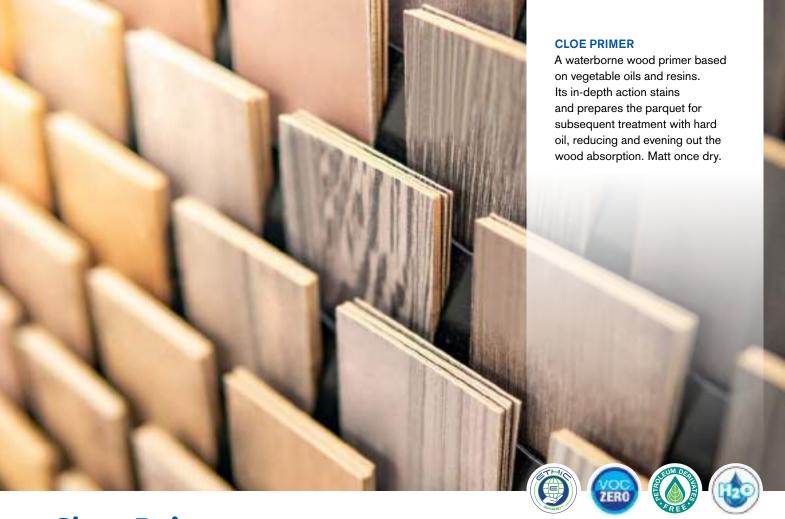
**FREE FROM:** solvents of petrochemical origin.

#### **Packaging**

11-51-201



### **Products for industrial parquets**



### **Cloe Primer**

#### Coloured primer for wooden floors

#### **Features**

- Prepares and stains the parquet for subsequent treatment with hard oil
- · Product for industrial use
- Penetrates deeply and does not film
- Reduces and evens out wood absorption
- Ready to use

#### **Applications**

Suitable for industrial use as a staining primer for indoor wooden floors.

#### **Drying time**

Approx. 4 hours, depending on the type of wood.

#### **Yield**

15 m<sup>2</sup>/l, per coat depending on the wood.

#### Total declaration of raw materials

Water, vegetable resins, linseed, safflower and castor oils, calcium resinate, borates, casein, soya lecithin, iron-based desiccant, xanthan gum. Depending on colour: iron oxides, bone black, titanium dioxide, nickel titanates, green chrome oxide.

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

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 130 g/l. This product contains 0 g/l VOC.

#### **Packaging**

20 l









Spray F

Impregnating machine



Indoor us

#### Colours

U21 colourless, T51 lime white, U10 Black, U00 oxide green, U01 oxide yellow, U02 oxide red, U11 lemon yellow, U04 grey, U06 Mahogany, U08 Chestnut, U66 light walnut, U67 walnut, U68 dark walnut.





#### **CLOE HARD OIL EXTRA**

This is a hardwax oil based on vegetable oils and resins for the industrial treatment of wooden parquet in panels or flat boards with a roller machine.

Its formulation protects the wooden surface, making it waterrepellent and resistant to stains and wear. Once dry, it gives a satin effect and enhances the tone of the wood. The colourless T60 UV version reduces wood oxidation due to UV and is suitable for light-coloured or bleached wood.

### **Cloe Hard Oil Extra**

### Hardwax oil for the industrial treatment of parquet wood

#### **Features**

- Water-repellent
- · Protects from stains and wear
- Enhances the wood
- Penetrates deeply and does not film
- For industrial use
- · Ready to use

#### **Applications**

Suitable for industrial wood treatment for parquet flooring.

#### **Drying time**

Approx. 12 - 24 hours, depending on the type of wood.

#### **Yield**

25 - 30 m²/l, per coat depending on the wood absorption.

#### Total declaration of raw materials

Orange terpene, natural pine, tung and linseed oils, calcium and zinc resinate, carnauba wax, kaolin, soya lecithin, calcium and magnesium stearates, iron desiccant and lead-free desiccants. In the colourless UV T60 version: titanium dioxide.

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

### Total VOC (volatile organic compounds) declaration

The EU limit value for this product is 700 g/l. This product contains < 450 g/l VOC.

#### **Packaging**

20 I





Impregnatin

Indoor us

#### **Colours**

S00 colourless T60 colourless UV

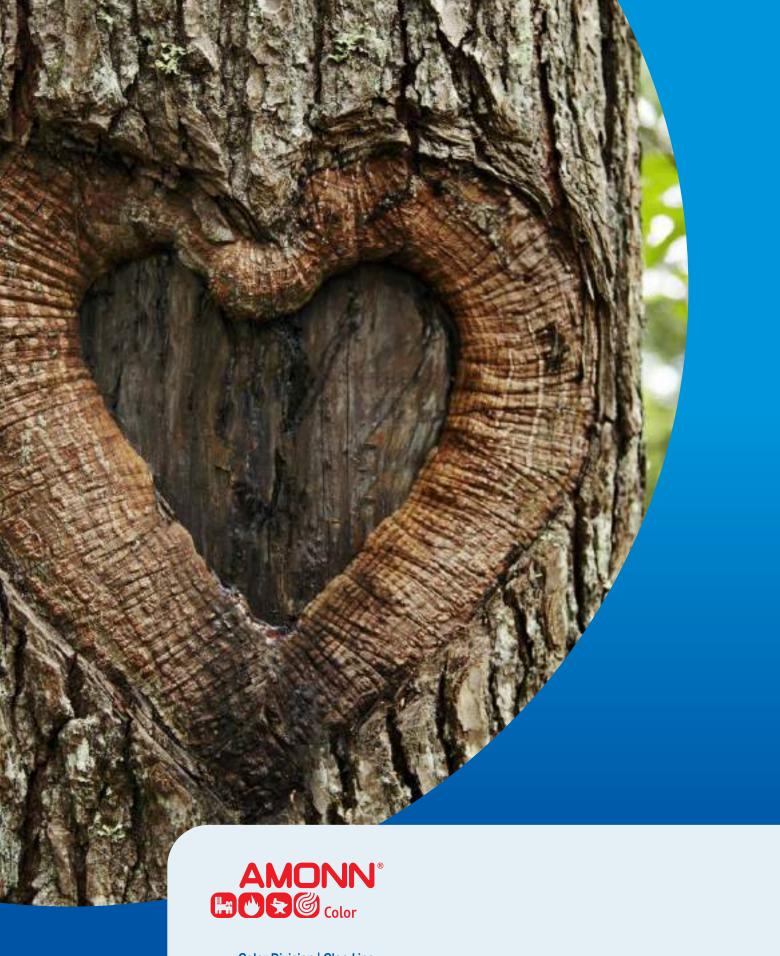




### Passion for wood.

Wood is an ancient and vital material. Amonn knows its secrets and has always been committed to protecting its health and charm in the most diverse fields of application, preserving its material and immaterial value so it can be handed down intact to future generations. Amonn is the leading brand in Italy and among the first in Europe in the wood protection sector. Its history dates back to 1802 when Johann Amonn founded the company that still bears his name and has evolved over the centuries in the name of technological innovation and passion for wood.

The development of Amonn systems starts from an in-depth knowledge of the behaviour of this material in contact with its three main enemies: fire, atmospheric agents and biological agents. Amonn develops effective and reliable protective systems for each of these, the result of centuries of experience and a genuine passion for the unique qualities of this natural material. But that's not all: the quality of Amonn products can also be found in the aesthetic enhancement of wood, in the constant search for products that offer living comfort and that are sustainable in their life cycle.



Color Division | Cloe Line

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