

## SUITABLE FOR ALL TYPES OF WOOD\*

\*Allow cedar and pressure-treated lumber (green and brown) to dry for a minimum of six months before applying wood oil.

Our products are composed of entirely natural ingredients. For this reason, we recommend cleaning surfaces with GLOUROS 1806. All other cleaning or surface preparation solutions may prevent the wood oil from properly adhering to your wood surface.

## SURFACE PREPARATION

### VERTICAL SURFACES:

The wood must be fully dry, dust-free, and absorbent.

### HORIZONTAL SURFACES:

The wood must be fully dry, dust-free, and absorbent. We recommend removing mill glaze with 100-grit sandpaper. Apply the product in weather above 10 °C, and allow DONNOS to cure for a minimum of eight hours at weather above 10 °C to ensure adequate adhesion. Wood moisture levels should not exceed 12% to 18%.

## WOOD OIL APPLICATION

Stir the product with a stirring stick to evenly mix the pigment and oil.

Test the product on a small area to validate the colour (see note 1).

With a brush, apply two thin coats within 24- to 48-hour intervals. If needed, wipe down or smooth any excess wood oil a few minutes after the stain has penetrated the wood surface.

## CLEANING

Cleaning with GLOUROS 1806 is recommended annually on decks.

## NOTE – MAINTENANCE

Clean surfaces with GLOUROS 1806 and re-apply DONNOS 223 wood oil as soon as the surface becomes dull or shows signs of wear or age. (Re-application is suggested once a year on decks and every three to five years on planks.)

## IMPORTANT BEFORE APPLYING THE OIL

Our products use natural pigments. For this reason, colour may vary between production batches. Testing colour on a small surface area before completing your project is crucial. Ensure that the results meet your expectations before pursuing application over the remaining wood surface.

In addition, the type and age of the wood and the thoroughness of the surface prep may contribute to variation in the final colour. We are not responsible for the results obtained if no test was performed prior to full product application or if colours were blended.

**DO NOT APPLY IN DIRECT SUNLIGHT.**

**DISTRIBUTOR AND MANUFACTURER  
RESPONSIBILITY IS LIMITED  
TO THE VALUE OF THE PRODUCT.**

## PRECAUTIONS FOR USE

TO AVOID RISK OF SPONTANEOUS COMBUSTION, RAGS, CLOTHS, POLISHING PADS, AND OIL-SOAKED APPLICATORS MUST BE STORED IN A CLOSED, AIRTIGHT METAL CONTAINER OR IMMERSSED IN WATER BEFORE PROPER DISPOSAL.

version 1

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## Technical Data Sheet

# DONNOS Penetrating Fence Stain No. 223

<b>Application range</b>	For exterior solid wooden surfaces, such as fences, outdoor toys, wooden framework, barns, stables, hotbeds, and flower boxes.			
<b>Technical qualities</b>	After 3 <sup>rd</sup> coating water-repellent, weather resistant. Color fastness when exposed to perspiration and saliva according to DIN 53160. DONNOS - Penetrating Fence Stain No. 223 was rated as <b>good</b> in the journal "Ökotest: construction, housing, renovation" edition 4/2002.			
<b>Full declaration</b>	Depending on the color: Isoaliphates, linseed oil - stand oil - natural resin ester, linseed oil, linseed oil - stand oil, linseed oil - wood oil - stand oil, mineral pigments, titan dioxide, chalk, castor oil - stand oil, micronized wax, silicic acid, orange oil (only in color 103), soya lecithin, citron oil, pine oil, dehydrated amino sugar, and drying agents free of lead (Ca, Co, Zr).			
<b>Colors</b>	041 English red 051 Persian red	062 walnut 068 light teak	087 light oak 101 black	103 dark brown 109 green
<b>Dilution</b>	Ready to use.			
<b>Application method</b>	By brushing, dipping, or spraying at temperatures above 15°C (59°F) and dry weather conditions. At higher temperatures, please consider shorter drying times (see reverse side for further information).			
<b>Coverage</b>	One undiluted liter (1.06 quart) is sufficient for approximately 10 - 15 m <sup>2</sup> (108 - 161 ft <sup>2</sup> ), i.e. 80 ml/m <sup>2</sup> . Coverage could be considerably less ml per m <sup>2</sup> , depending on the condition and absorbency of the surface. Always do a test application first!			
<b>Drying time</b>	At 23 °C (73 °F) and 50% relative humidity, the second coat may be applied after about 24 hours. Apply successive coats after 24 to 48 hours.			
<b>Cleaning</b>	Clean equipment immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.			
<b>Specific gravity</b>	From 0.84 g/ml - 0.98 g/ml, depending on the color.			
<b>Safety advice</b>	<p>Ensure good ventilation during and after application.</p> <p>Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with DONNOS Penetrating Fence Stain No. 223 in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content.</p> <p>The product itself will not combust spontaneously.</p> <p>P102                      Keep out of reach of children.</p> <p>P301+P310            IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.</p> <p>EUH066                Repeated exposure may cause skin dryness or cracking.</p> <p>EUH208                Contains limonene, Cobalt (2+) salts. Can cause allergic reactions.</p>			
<b>Disposal</b>	According to locally regulated laws.			
<b>Container sizes</b>	0.75 l, 2.5 l; 5 l; 10 l; 30 l; 200 l.			
<b>Storage</b>	Cool and dry. Shelf life: unopened at least 4 years.			

How to use

## **DONNOS Penetrating Fence Stain No. 223**

### **Untreated wood**

#### **Preparation**

Surface must be dry (wood moisture content less than 15%), solid, absorbent, clean, and free of dust.

#### **Application**

Stir DONNOS Penetrating Fence Stain No. 223 thoroughly before use.

Apply three coats with a drying time of 24 to 48 hours between each coat and within 4 weeks.

### **Renovation of open-pored stains**

Old stains must be cleaned, and, if needed, slightly sanded. With timely renovation only intermediate and / or final coat, otherwise follow as described under section "Application".

### **Renovation of closed-pored old coatings**

Pore-clogging coatings (oil paints, multi-layered coatings) must be sanded or stripped until there is no old residue. Surface must be completely dry, solid, absorbent, neutral, clean, and free of dust again. 3 applications (see section "Application").

### **Cleaning**

Rough sawn surfaces can retain dust and dirt particles from the environment, making it possible for fungi to grow under the right climatic conditions. Grey to black discoloration can be removed with GLOUROS Natural Siding and Masonry Cleaner No. 1806, using a brush/sponge (slight contact pressure) or a high-pressure cleaner (lowest pressure setting and some distance).

### **Important tips**

At temperatures above 20 °C (68 °F) product may not dry evenly, apply the product quickly.

At temperatures below 15 °C (59 °F), in rainy or very foggy weather, or when overnight frost is expected, drying delays and unsatisfactory adhesion might occur.

DONNOS Penetrating Fence Stain No. 223 does not contain fungicides. Rough sawn wood is prone to fungi – prevention through finer sanding.

Do a test application on any existing coating.

Wood that is prone to blue-staining fungi and back aired paneling must be treated with ADAO External Primer No. 259. Its appearance depends on the surface roughness, sun- and weather side, moisture content, and natural cover etc. Possible fungi growth should be removed regularly.

After dipping or spraying, paint (without product) with a brush or similar after 30 minutes.

Color variations are possible by mixing with KALDET All Weather Stain No. 281 (boxwood, dark teak, brazil, walnut, oak, country blue or light grey), or by mixing with a max. of 5% of VINDO Natural Gloss Paint No. 629 (any color except white or ochre).

If the stain drips off or creates bubbles during application, an incompatibility exists through the pretreatment or it has been sanded to smooth. Coarser sanding may possibly create remedy.

These directions are the result of long years of research and practical testing. They are backed by our most current expert information. New findings may invalidate this information. The latest version is available on our website at [www.livos.de](http://www.livos.de). This data sheet is meant to serve as information and instruction. No legal liability should be interpreted from it. In case of doubt, please contact the retailer, wholesaler, or manufacturer.

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