DONNOS Penetrating Fence Stain No. 223
new quality

Application range	For exterior solid wooden surfaces, such as fences, outdoor toys, wooden framework, barns, stables, hotbeds, and flower boxes.
Technical qualities	After 3rd 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 **good** in the journal "Ökotest: construction, housing, renovation" edition 4/2002. Free of organic-chemical compounds according to DIN EN 71 part 9.
Full declaration	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, soya lecithin, citron oil, pine oil, dehydrated amino sugar, and drying agents free of lead (Ca, Mn, Zr).

Colors	041 English red	062 walnut	087 light oak	
	051 Persian red	068 light teak	101 black	109 green

There is a separate technical data sheet for the color shade 103 dark Brown, see also www.livos.de.

Dilution	Ready to use.
Application method	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).
Coverage	One undiluted liter (1.06 quart) is sufficient for approximately 10 - 15 m² (108 - 161 ft²), i.e. 80 ml/m². Consumption could be considerably less, depending on the condition and absorbency of the surface. Always do a test application first!
Drying time	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.
Cleaning	Clean equipment immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.
Specific gravity	From 0.84 g/ml – 0.98 g/ml, depending on the color.
Safety advice	Ensure good ventilation during and after application. Always be sure to store and then dispose 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. The liquid or applied product is not self-ignitable.
	P102 Keep out of reach of children.
	P301+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.
Disposal	According to locally regulated laws.
Container sizes	0.75 l, 2.5 l; 5 l; 10 l; 30 l.
Storage	Cool and dry. Shelf life: unopened at least 4 years. Close lid tightly after use.

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.

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