

Technical Data Sheet

DONNOS Penetrating Fence Stain No. 221

Application range	For exterior timber such as fences, outdoor toys, wooden framework, barns, stables, hotbeds, and flower boxes.
Technical qualities	Varnishing, water repellent, weather resistant, and open-pored. Remains permanently elastic and permeable to water vapor. No peeling or flaking. Adheres well to thin coatings of conventional stain.
Full declaration	Linseed oil, linseed oil – stand oil, linseed oil – wood oil – stand oil, isoaliphates, natural asphalt, linseed oil – stand oil – natural resin ester, micronized wax, earth- and mineral pigments, silicic acid, bentonite, birch bark extract, and drying agents free of lead.
Colors	062 walnut 068 light teak 087 light oak 103 dark brown
Dilution	Ready to use.
Application method	By brushing, dipping or spraying at temperatures above 15 °C (59 °F) and in dry weather conditions. At higher temperatures, please consider shorter drying times (see reverse side for further information).
Coverage	One liter (1.06 quart) is sufficient for approximately 10 to 15 m ² (108 to 161 ft ²), i.e. 80 ml/ m ² . Could be considerably less, depending on the absorbency and condition of the surface. Do a test application first!
Drying time	At 23 °C (73 °F) and 50% relative humidity: approximately 24 hours for the first coat; for subsequent coats drying time is 24 to 48 hours.
Cleaning	Clean tools immediately after use with SVALOS Thinner No. 222 or LEVO-Brush Cleaner No. 997.
Specific gravity	Approximately 0.86 g/ml (deviations possible depending on the manufacturing process).
Safety advice	<p>There might be a product odor for about 2 months after application, but it then vanishes completely.</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. 221 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. Contains wood oil and Cobalt (2+) salt. Can cause allergic reactions.</p> <p>S 2 Keep out of the reach of children S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</p> <p>German water endangerment class WGK 1 (self-assessment).</p>
Disposal	According to locally regulated laws.
Container sizes	0.75 l; 2.5 l; 10 l; 30 l; 200 l.
Storage	Cool and dry. Please see label for expiry date. See reverse for application instructions.

How to use

DONNOS Penetrating Fence Stain No. 221

Untreated wood

Preparation

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

Application

Stir DONNOS Penetrating Fence Stain No. 221 thoroughly before use. Apply three coats with a drying time of 24 to 48 hours between each coat. Best working temperature: 15 – 25 °C (59 – 77 °F).

Renovation of open-pored stain coatings

Rough sawn surfaces can retain dust and dirt particles from the environment, making it possible for fungi to grow under the right climate conditions. Grey to black discoloration can be removed with GLOUROS Natural Siding and Masonry Cleaner No. 1806, using with a brush or a high-pressure cleaner. Old paint coatings must be cleaned and sanded. Subsequent treatment has to be done like the first coating. Timely re-staining requires only an intermediary and/or final coat.

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 solid, absorbent, clean, and free of dust. Then follow the instructions for initial treatment.

Important tips

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

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. 221 does not contain fungicides. Rough sawn wood is prone to fungi growth. Rough surfaces must be sanded.

Wood prone to blue-staining fungi and back aired paneling must be treated with ADAO External Primer No. 259.

When dipping or spraying, brush lightly after 30 minutes to smooth out the treated surface.

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).

Playground equipment exposed to mechanical wear and tear should get an after treatment with KALDET Transparent Wood Stain No. 270.

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. 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.