



TECHNICAL DATA SHEET

5.1 OPEN PORE WOOD STAIN

► Xanol Adverse climates Glossy

High-performance open-pored varnish

1900 / Version 5 / 05-03-2025



DESCRIPTION

Open-pore finish wood stain, designed for decorating and protecting wood exposed to the elements in extreme climates.

PROPERTIES

- Resistant to the damaging effects of the outdoors.
- Good flexibility.
- Water-repellent and rainwater-proof.
- Microporous, allows breathability of the surface.
- Water vapour-permeable, allowing transpiration of the support.
- Open-pore finish.
- It contains a nanoparticle-based UV sunscreen that multiplies the effectiveness of the varnish against the loss of colour and the bleaching of the wood in exterior applications.
- Odourless.
- Interior and exterior application.
- Good levelling.

USES

Ideal for decoration and protection for restoration and new wood. Applicable to all types of wooden surfaces such as: doors, windows, shutters, railings, frames, etc.

TECHNICAL DATA

Finish	Gloss.
Appearance	Transparent.
Thinner	Water.
Density at 20°C (Kg/L)	1.20 ± 0.05
Content in solids % volume	35
Yield (m²/L):	10 - 14
Touch dry (20°C) (min)	30
Second coat (hours)	2 - 3
Cleaning of utensils and stains	With water before drying.
% maximum dilution	0 - 5
Volatile Organic Compounds (COV).	Maximum product content 16,30 g/l

HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted must be clean, dry and free of dust, grease, saltpetre, etc.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.
- Before application, it is advisable to sand the wood in order to ensure better adherence and open the pores of the wood. Sand following the grain of the wood.



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SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not apply at temperatures lower than 10°C, nor at temperatures higher than 35°C.

SURFACE HUMIDITY:

The wood must be dry, with less than 18 – 20% humidity.

AMBIENT CONDITIONS:

Do not apply on rainy days or in full sunlight.

SURFACE PREPARATION

UNPAINTED SURFACES:

Wood:

- Removal of product residues and foreign substances. Must be properly sanded after removing all dirt. Apply a coat of suitable primer according to the table of possible application systems and sand gently. Then apply two coats of finish, sanding gently between layers.
- Old unvarnished wood: completely eliminate the surface of the wood that is dry or gray, sanding or brushing the surface until exposing the wood in good condition.

PRE-PAINTED SURFACES IN GOOD CONDITION:

Wood:

- Previously varnished wood: if the varnish is in good condition, sand lightly and remove residue. Apply one coat of finish. If the varnish is in poor condition, remove with a stripper and paint as if it were new wood.
- Wood painted with synthetic enamel: Remove by stripping and then paint as if it were a new surface.

PRE-PAINTED SURFACES IN POOR CONDITION:

Wood:

- Wood treated with lasur in poor condition: proceed to remove the dried surface layer by sanding or brushing, until reaching the wood in good condition. Then proceed as on unpainted surfaces.
- Wood treated with varnish in poor condition: remove it completely by sanding/brushing or by chemical stripping with XANOL GEL DECAPANTE. Then proceed as on unpainted surfaces.
- Wood painted with synthetic enamel: Remove by stripping and then paint as if it were a new surface.
- In wooden systems such as ventilated facades, assembly on battens, structural panels, lattices, or similar, where there are areas of difficult access, disassembly is recommended for proper treatment of all faces of the wooden structure to be protected.

POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Xanol adverse climate gloss. Yield may vary depending on the type of wood.

SEALANTS:

- Xanol Impregnating primer: open pore surface with tannin blocking action. Yield: 10 - 15 m²/L. Coats: 1
- Xanol Anti-Woodworm Primer: preservative primer for wood. Protective action against fungi, insects and termites. Yield: 5 m²/L. Coats: 1.

FINISH XANOL CLIMAS ADVERSOS (BRILLO):

- Yield: 10 - 14 m²/l
- Coats: 1-2

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

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REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.