PRODUCT DATA SHEET

NOVOLEGNO W AI SALI DI BORO

Water-based impregnating agent for wood

CHARACTERISTICS

Product for the surface impregnation of wood, for interiors and exteriors, highly penetrating with a finish that enhances the wood grain. Available in transparent colours obtained from micronized mineral pigments with high resistance to light which give the wooden structures treated an even colour and protection against the deterioration caused by the UV rays and atmospheric agents, elements indispensable for the duration of the applications, and useful for protecting the structure over time.

Its excellent quality guarantees good saturation of the wood pores with minimum swelling of the wood fibre and even and uniform distribution of the colour, so as to create a substrate that guarantees good adhesion of the finishing coats and uniform covering of the film with excellent aesthetic results both in professional and in do-it-yourself applications, as it is easy to apply with both manual or mechanical tools. Natural, water-dilutable, water-based product formulated with resins, vegetable oils and boron salts that guarantee resistance to mould and excellent resistance to UV rays; for maximum protection in exterior environments, in severe conditions of exposure to atmospheric agents and sunlight and to prevent surface salt marks, the product must be recoated with suitable finishes. Being odourless, it is particularly suitable for poorly ventilated areas. It is formulated with raw materials selected for their low environmental impact, guaranteeing reduced pollution and minimum emissions, so as to preserve the well-being and safety of its users and of those living in the environment. The product is free from organic insecticides and fungicides, petroleum products, solvents and other toxic or harmful substances; it is therefore used as an impregnating agent in the green building sector.

PROPERTIES OF THE DRIED FILM

RESISTANT TO UV RAYS AND ATMOSPHERIC AGENTS	EXCELLENT
RESISTANCE TO MOULD	EXCELLENT
EVEN COLOUR	EXCELLENT

SURFACE APPEARANCE
RUSTIC OPAQUE

COLOURS

As per the samples. The range of colours can be extended using *Novolegno W Concentrato*. Before application, it is always advisable to check the tone with preliminary tests, since the original colour of each type of wood produces a different final shade. The darker shades give better protection from UV rays. The colour could vary slightly from one production batch to the next; it is therefore important to finish the job with the same batch.

TECHNICAL DATA

SPECIFICATIONS

SPECIFIC WEIGHT	1000-1,100 g/l
VISCOSITY, ISO-DIN NF3	Colourless 20-30 s; coloured 35-45 s
DRYING	Touch dry 3h; fully dry 8h

NON-VOLATILE MATTER BY WEIGHT
7-13%

CAP ARREGHINI SpA 30026 PORTOGRUARO/VE Viale Pordenone, 80 Tel.0421 278111 Fax 0421 75498/ 0421 278115
Azienda con Sistema Certificato UNI EN ISO 9001

STORAGE
The product should be stored in its original containers at temperatures of between +5°C and +30°C.

HOW TO USE

USE
As an undercoat on raw surfaces of the various types of wood used for structures such as doors and windows in general, matchboarding, beams, during the semi-transparent coloured paint cycle with natural finishes containing beeswax, wood oils or linseed oil, applied to the surface with a brush and then polished with a cloth to remove any excess. Overcoats of water-dilutable acrylic finishes may be applied. Ideal for the impregnation of laminated pine and matchboarding and beams as it reduces the variation in colour caused by knots and absorption differences. If the product has been stored at low temperatures, allow it to reach a temperature of at least +10 °C before applying. During application and drying time, the temperature should be higher than +10°C and the humidity of the air lower than 65% and the wood should be dry in order to avoid surface salt marks; the environment should also be well-ventilated, in order to facilitate water evaporation. If the Boron Salts rise to the surface, remove them with a wet sponge, allow to dry and then apply the finishing product. To guarantee even colouring, mix the product during use. Drying can be done at ambient temperature or with a hot air tunnel (35° to 50°C), in which case brushing may be carried out after 3-5 hours, allowing a reduction in work times. Clean the tools with water.

TOOLS
Brush, Spray-gun, Impregnator.

THINNING
Ready to use.

COVERAGE
11-13 m^2/l per coat

APPLICATION TEMPERATURE
+10°C +30°C

PAINTING SYSTEM
Protection of doors and windows in exterior environments
System 1
1. Sandpaper the wood with 180-220 grit abrasive paper.
2. Apply a coat of Novolegno W ai Sali di Boro, with boron salts, in the colour desired.
3. After 4-6 hours, apply a coat of beeswax
4. After 18-24 hours sandpaper or brush with 240-280 grit abrasive paper and apply a coat of beeswax.

Maintenance
A. Scrupulously remove all dirt and dust from the surface.
B. Apply a new coat of beeswax.

CAP ARREGHINI SpA 30026 PORTOGRUARO/VE Viale Pordenone, 80 Tel.0421 278111 Fax 0421 75498/ 0421 278115
Azienda con Sistema Certificato UNI EN ISO 9001

If the structure is in a poor state of repair, sandpaper the paint down to the wood and start again from point 2.

SPECIFICATION ITEM

Wood impregnating agent with boron salts, free from organic fungicides and insecticides and from solvents, coloured with inorganic mineral pigments, mould-resistant, used for surface impregnation of wood at an average consumption rate of 85 ml/m^2.

INSTRUCTIONS

To carry out the work in a workmanlike fashion, it is of fundamental importance to follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books, in the application cycle and in the product data sheet. This technical information is intended as a rough guide. Adapt the instructions to the specific conditions of use. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between one operation and the next vary.
Our recommendations on the use of the product are based on accurate observations and research carried out by us. The experience gained in practice was also taken into consideration. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and its effectiveness by testing on the specific case.

CAP ARREGHINI SpA 30026 PORTOGRUARO/VE Viale Pordenone, 80 Tel.0421 278111 Fax 0421 75498/ 0421 278115
Azienda con Sistema Certificato UNI EN ISO 9001