PRODUCT DATA SHEET

ECOPLAST W300 TIX AC

Water-based paint for wood

DESCRIPTION

Product suitable for interior and exterior woodwork painting systems, water-resistant, easily applicable. Ideal for professional use, with high compatibility, filling power and adhesion to different types of impregnating agents. It ensures a finish characterised by high uniformity and formidable mechanical and weather resistance, indispensable elements for the durability of applications and protection of the artefact over time.
Thanks to its high quality, it represents the ideal aesthetic and technical solution to different painting requirements with an excellent level of finish. It is formulated with acrylic resins in water dispersion that guarantee maximum UV resistance and maximum protection outdoors under conditions of strong exposure to atmospheric agents and sunlight.
The characteristics of adequate elasticity, resistance to scratching and wear ensure a stable, beautiful film that is also resistant to stress due to the dimensional variations of the substrate when weather conditions change. It also ensures good wetting of the wood pore with low swelling of the fibre so that it can be used directly on impregnants.
Being odourless, it is particularly suitable for applications in poorly ventilated environments. It is made from raw materials selected for low environmental impact and with minimum emissions so as to preserve the well-being and safety of users.

RESISTANCE TO WATER
The product dries and cures completely in 5 days under optimal conditions (+15 +30°C with substrate humidity <10% and relative air humidity <65%).
Expose the product after at least 5 days of stabilisation to avoid contact with rainwater or condensation (in the case of fog or humidity above 85%) before complete polymerisation.

COMPOSITION

Product formulated with acrylic resins in water dispersion.

PROPERTIES OF THE PRODUCT

	VALUE	METHOD
RESISTANCE TO ATMOSPHERIC AGENTS	EXCELLENT	
DRYING	FAST	
FILLING POWER	HIGH	
ELASTICITY	EXCELLENT	
ADHESION TO A WIDE VARIETY OF MATERIALS	HIGH	
SOLID BY WEIGHT	36-42%	Internal PF25
DRYING	Touch dry 6 h; Fully 5 days	Internal PF2

SPECIFICATION DATA

	VALUE	METHOD
SPECIFIC WEIGHT	1000-1100 g/l	Internal PF3
GLOSS LEVEL	25-30 40-50	Internal PF6

SHELF LIFE

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

COLOUR RANGE

Honey.
It is advisable to check the colour with preliminary tests before application, since the original colour of each type of wood produces a different final shade. The colour between one production and another can be slightly different, so it is

necessary to finish a job with the same production.

USE

It is suitable for the decoration and protection from atmospheric agents (also with intense colours) of wood substrates of different species, new or undergoing maintenance, such as window and doorframes in general, in rural, marine or industrial environments.
Highly resistant to dripping, it can be applied in high thicknesses even in a single coat. In general, sanding of the first coat should be carried out without removing a large amount of the dry film in order to maintain a sufficient film to ensure a uniform finish.
If the product has been stored at low temperatures, it is recommended to bring it to at least +15 °C before application.
During application and drying time, it is essential that the temperature is above +15°C and the air humidity below 65%; it is also important that the room is ventilated to facilitate water evaporation. Please note that a greater thickness of paint applied than indicated or different environmental conditions may cause the drying time to be longer, as water evaporation is slowed down.
Drying can take place at room temperature or with a hot air tunnel (+35°+50°).

TOOLS

Aircoat spray-gun.

THINNING

Ready to use.

COVERAGE

4-5 m^2/l per coat

APPLICATION TEMPERATURE

+15°C +30°C

COATING SYSTEM

New structures made of various types of wood excluding those with very obvious and deep pores such as iroko, meranti mahogany, marine multilayer plywood
System 1
1.1. Sandpaper the wood with 180-220 grit abrasive paper, apply a coat of *Novolegno W* in the colour desired.
1.2. After 4-6 hours, brush or sandpaper with 240-280 grit abrasive paper. Apply a coat of *Ecoplast W300 Tix* AC at a thickness of 220-300 wet μm.

System 2 - To obtain a finish with a better aesthetic appearance.
2.1. Sandpaper the wood with 180-220 grit abrasive paper. Apply a coat of *Novolegno W* in the colour desired.
2.2. After 4-6 hours, apply a coat of *Ecoplast W300 Tix* AC or *Ecoplast F20 Incolore* colourless paint at a thickness of 100-120 wet μm.
2.3. After 6 hours, brush or sandpaper with 240-280 grit abrasive paper, and apply a second coat of *Ecoplast W300 Tix* AC at a thickness of 220-250 wet μm.

Wood of different kinds containing tannin or other colouring substances such as oak, chestnut, hemlock, Siberian larch with colourless finish
3.1 Sandblast the wood with 220-250 grit sandpaper and apply a layer of *Riplast F99;*
3.2 After 12 hours brush away or sandpaper with 240-280 grit sandpaper and apply.*Ecoplast W300 tix* AC to obtain a thickness equal to 220-250 mm

wet.

Maintenance on an old structure in good condition
4.1 Thoroughly clean the surface from dirt and dust;
4.2 Apply Ecoplast W300 Tix AC or Special W Matt to a thickness of 160-180 um wet.

If the artefact is in poor condition sand the paint down to wood and treat as new artefact.

Manufactures, where there are cracks due to swelling and shrinkage movements of the wood, must be sealed with suitable products (acrylic sealers) before painting.

SPECIFICATION ITEM

Acrylic wood finish with 40 % solid residue, UV-resistant, suitable for aircoat spray application with thicknesses up to 250 um in a single coat, used with an average consumption of 235 ml/m^2 for the protection of interior and exterior artefacts pre-treated with an acrylic impregnating agent.

INSTRUCTIONS

To carry out the work in a proper way, 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.

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