TECHNICAL DATA SHEET

F23

Water-based colourless primer for wood

FEATURES

Water-thinnable, non-yellowing, one- or two-component acrylic resin-based lacquer, suitable as a primer on interior woodwork. *F23* catalysed with *Induritore 1* ensures maximum performance.

COMPOSITION

Based on acrylic resins in water emulsion.

PRODUCT PROPERTIES

	VALUE	METHOD
SANDABILITY	GOOD	
FILLING POWER	GOOD	
ELASTICITY	EXCELLENT	
DRY RESIDUAL BY WEIGHT	22-26%	Internal PF25
DRYING	6 hours overlapping Complete 5 days	Internal PF2

SPECIFICATIONS

	VALUE	METHOD
SPECIFIC WEIGHT	F23: 1000-1100 g/l Induritore 1: 1040-1140 g/l	Internal PF3
SANDABILITY	20-25 strokes	Internal PF5

STORAGE

The product is stable 1 year if stored in the original containers at a temperature between +5°C and +30°C.

COLOURS

Colourless.

EMPLOYMENT

As a first coat on surfaces of different wood species, untreated or pre-treated with an acrylic impregnating agent, in the transparent painting cycle with acrylic or water-dilutable polyurethane finish, single or two-component, on furniture and interior fixtures.

The isocyanate-catalysed product is suitable as an insulating primer with a barrier effect against colouring and oil-resin substances contained in the wood, which may adversely affect the finish (e.g. exotic woods, iroko, Russian larch, MDF). Sanding must be carried out without removing too much of the dry film, in order to maintain sufficient thickness and uniform coverage.

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, 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 if the thickness of the applied paint is higher than indicated or environmental conditions are different, drying time will be longer, as water evaporation is slowed down.

Drying can take place at room temperature or in a hot air tunnel (35°-50°C); in this case, sanding can take place after 3-5 hours.

Brushing, as opposed to sanding, provides a better aesthetic finish. The cross-linking reaction of the polyisocyanate takes place simultaneously with acrylic resin and water in an uncontrolled manner: it is recommended to apply with guns that carry out instantaneous mixing to prevent the characteristics of the dried film from differing depending on the time elapsed from mixing to use due to the different cross-linking.

TOOLS

Brush, Roller, Aircoat spray.

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MIXING RATIO

100 parts F23 : 10 parts Hardener 1, by volume.

POT-LIFE

2 hours at 23°C 65% R.H. Do not use the product after 2 hours even if still liquid.

DILUTION

Ready to use.

YIELD

8-10 m^2 /l per layer

APPLICATION TEMPERATURE

+15°C +30°C

PAINTING SYSTEM

Aircoat spray application

New artefact of different wood species

1. Sand the wood first with 150 grit sandpaper and then with 220-240 grit sandpaper;
2. If necessary, tint with *Classic W* in the desired colour;
3. After 4-6 hours, apply two layers of *F23,* waiting 6 hours between each layer;
4. After 6 hours sand with 220-240 grit sandpaper, and apply a coat of *Eco W500*.

For the following wood species *F23* must necessarily be used catalysed with *Induritore 1*: iroko, oak, chestnut, hemlock, Russian larch, MDF.

SPECIFICATION ITEM

Acrylic wood primer varnish in water dispersion with 24% solid residue, used at a consumption rate of 220 ml/m^2 for the protection of interior artefacts to be overpainted with water-dilutable acrylic or polyurethane paints.

WARNINGS

In order to carry out the work in a workmanlike manner, it is essential to follow the surface preparation instructions in the CAP Arreghini books.
Specification data were determined at +23°C with 65% relative humidity in the environment. Under different conditions, data and times between operations vary.
The technical information contained herein is indicative only. Due to the enormous variety of substrates and application conditions, it is recommended to check the suitability of the product and its effectiveness by means of tests carried out on the specific application.

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