

F23

Colourless waterborne wood undercoat

DESCRIPTION

Sandable undercoat for wooden substrates, easy to apply, Formulated with acrylic resins in aqueous dispersion, non-yellowing, single- or two-component paint suitable as a primer for the protection of wooden elements for interiors. F23 catalysed with *Idrocat 10* guarantees maximum performance.

COMPOSITION

Based on acrylic resins in aqueous emulsion.

PRODUCT PROPERTY

	Value	Method
Elasticity	Good	
Sandpapering	Good	
Leveling	Excellent	
Solid by weight	22-26 %	Internal PF25

SPECIFICATION DATA

	Value	Method
Specific weight	F23: 1000-1100 g/l <i>Idrocat 10</i> : 1040-1140 g/l	Internal PF3
Drying time	recoatable 6h; fully 6h	Internal PF2
sanding	20-25 steps	Internal PF5

SHELF LIFE

1 year minimum, stored in its unopened original can at temperatures between +5°C and +30°C.

COLOUR RANGE

Colourless

TYPICAL USE

As an undercoat on raw surfaces of various types of wood, either directly or after pre-treatment with acrylic impregnating agent, in the transparent painting cycle with water-soluble acrylic or polyurethane finish, either single- or two-component, on structures such as furniture and indoor windows and doors.

The product, catalysed with isocyanate, is ideal as an insulating primer creating a barrier effect against dyes and oily and resinous substances contained in wood which may have a negative impact on the finish (exotic wood, iroko, Siberian larch, including MDF). Sandpapering must be carried out without removing a large quantity of the dry film so as to maintain enough film to guarantee an even finish.

If the product has been stored at low temperatures, allow it to reach a temperature of at least +15 °C before applying.

During application and drying time, the temperature should be higher than +15°C and the humidity of the air lower than 65%; it is important for the environment to be well-ventilated in order to facilitate water evaporation. Remember that applying thicker coats of paint than those indicated or different environmental conditions can cause a lengthening of the indicated drying times, as the evaporation of the water slows down.

Drying can be done at ambient temperature or with a hot air tunnel (35°-50°C), in which case sandpapering may be carried out after 3-5 hours. During application and drying time, temperatures must be above +15°C and ambient humidity less than 65%.

Brushing, as opposed to sandpapering, guarantees a better aesthetic finish. The cross-linking reaction of polisocyanate takes place simultaneously with the acrylic resin in an uncontrolled manner. Spray-gun application is advisable in order to guarantee immediate mixing. In this way, the features of the dried film are prevented from becoming different according to the time span that elapses since the mixing process due to different cross-linking.

TOOLS	Roller, Brush, Aircoat-spray
MIXING PROPORTIONS	100 F23 : 10 Idrocat 10 by volume.
POT-LIFE	2 hours at 23 ° C 65% U.R. Do not use the product after two hours even if apparently liquid.
THINNING	Ready to use.
COVERAGE	8-10 m ² /l per coat.
APPLY	+5°C +30°C
COATING SYSTEM	<p>New structures made of various types of wood</p> <ol style="list-style-type: none"> 1. Sandpaper the wood beforehand with 150 grit abrasive paper then with 220-240 grit abrasive paper. 2. If required, colour as desired with <i>Novolegno W</i>. 3. After 4-5 hours, apply two coats of F23, 1-2 hours apart. 4. After 6 hours, sandpaper with 220-240 grit abrasive paper and apply a coat of <i>Eco W500 Lucida or Satin</i>. <p><i>When used on the following types of wood F23 must necessarily be catalysed with Idrocat 10: iroko, oak, chestnut wood, hemlock, Siberian larch, MDF.</i></p>
SPECIFICATION ITEM	Acrylic primer paint for wood in aqueous dispersion with a solid residue of 24%, used at a consumption rate of 220 ml/m ² for the protection of interior structures that can be recoated with acrylic or polyurethane-based, water-based, paints.
INSTRUCTIONS	To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. 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 the two phases of the above reported coating system can vary.