

IGNISOL (Riplast Ignifuga 350)

Fire retardant and intumescent product

DESCRIPTION

It is a transparent two-component solvent based polyurethane system, particularly suitable for fire retardant treatment of class 1 of any type of article in wood for interior decoration.

The cycle is suitable to be applied on wood materials with the exception of:

-Veneered materials with slices or strips of wood with adhesives based on thermoplastic resins;

-Material assembled with a cellular structure or strip or air cavities filled with miscellaneous materials;

As required by UNI 9796/1990.

The system is composed of *Ignisol Fondo A+B* and *Ignisol Finitura A+B*

HOMOLOGATION

VE627PVI100002

PROPERTIES OF THE PRODUCT

		METHOD
ABRASION RESISTANCE	EXCELLENT	
ELASTICITY'	GOOD	
SURFACE APPEARANCE	SMOOTH SATIN	
SOLID BY WEIGHT	Ignisol Fondo A 59-63% Ignisol Finitura A 58-62% Ignisol Fondo/Finitura B 44-48%	Internal PF25
DRYING	<i>Ignisol Fondo:</i> Overcoatable Wet/wet 60-90'; sandable 8-12 h; overcoatable 8-12h <i>Ignisol Finitura:</i> dust free 20; dry to touch 90', Complete 12 h (data at 23 °C 65% UR)	Internal PF2

SPECIFICHE

		METHOD
SPECIFIC WEIGHT	<i>Ignisol Fondo A</i> 1030-1130 g/l <i>Ignisol Finitura A</i> 1000-1100 g/l <i>Ignisol Fondo/Finitura B</i> 1000-1100 g/l	Internal PF3
GLOSS	29-31 (<i>Ignisol Finitura</i>)	Internal PF6
POT LIFE	min 2 h	Internal PF7
DRYING	<i>Ignisol Fondo:</i> dry to touch max12 h <i>Ignisol Finitura:</i> dry to touch 90'	Internal PF2

SHELF LIFE

Use within 12 months of production. The product must be stored in the original containers at a temperature between 5 ° C and 30 ° C away from sources of ignition. Component B fears humidity and therefore it must be checked that, once started, the jar is hermetically closed and that the volume of air is not more than 1/3 of the total volume. If this is not the case, use it within a short time or transfer the product to a smaller jar.

COLOR RANGE

Colourless.

TYPICAL USE

On indoor wooden substrates and products, such as furniture, various furnishings and sets.

The cycle is suitable to be applied on wood materials with the exception of:

- Veneered materials with slices or strips of wood with adhesives based on thermoplastic resins;
- Materials assembled with a cellular structure or strip or air cavities or filled with miscellaneous materials;

As required by UNI 9796/1990.

Before proceeding with the application of paints, make sure the wood is clean and free from grease or resin stains and that the humidity level is between 8 and 10%. Stir component "A" before adding component "B", then stir well to homogenize the product.

The product is very sensitive to moisture that can cause coating. Do not proceed with the application at temperatures below +10 ° C or with a relative humidity greater than 65% and in case of fog or rain. In cases in which the product has been stored at low temperatures it is advisable to bring the temperature up to at least +15 ° C before application.

The full hardness of the film, and thus greater resistance to abrasion, is reached after 4-5 days. Clean tools with *Acetone per lavaggio*.

NB: the data shown in the technical data sheet refer to an application of 133 g / m² of wet paint, at a temperature of 23 ° C and RH of 65%. Different paint thicknesses and environmental data (temp. And RH) can cause variation in drying times.

MIXING RATIO

Ignisol Fondo: 100 A / 50 B by weight, by volume
Ignisol Finitura: 100 A / 50 B by weight, by volume

TOOLS

Spray (conventional or air coat).

THINNING

Ignisol Fondo 10-20% *Butol* by weight, by volume
Ignisol Finitura 10-20% *Butol* by weight, by volume

COVERAGE

Per class 1:

Ignisol Color Fondo 3.3 m²/kg (consumption 300 g/m²)

Ignisol Color Finitura 6.7 m²/kg (consumption 150 g/m²)

Per layer:

Ignisol Fondo 6.7 m²/kg (consumption 150 g/m²)

Ignisol Finitura 10 m²/kg (consumption 100 g/m²)

APPLY

+10°C +30°C

COATING SYSTEM

Wooden artefacts that have been sandblasted with 150 grit sandpaper. Apply two layers of *Ignisol Fondo* directly on the artefact with a consumption of 150 g/m² wait 8-12 between one layer and the other or sandpaper between each layer with 180-200 grit sandpaper. It is possible to apply 300 g/m² as two layers wet/wet wait 60-90' between each layer.

After 8-12 hours, sandpaper with 180-200 grit sandpaper and apply one layer of *Ignisol Finitura* with a consumption of 100 g/m².

Maintenance

Clean with water and detergents. Periodically check the integrity of the film, in case of damage, sandpaper the wood and restore the protective cycle on the damaged part.

SPECIFICATION

Transparent two-component solvent based polyurethane system particularly suitable for the fire retardant treatment of Class 1 of any type of article in wood for interior

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ITEM

decoration, with a consumption of 400 g/m².

INSTRUCTION

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.