



LIGNOWAX

Waxed impregnating agent for wood surfaces



technical data sheet

Revision 1 fro 26/01/2017

Destination

First coat and finish protective which underlines the wood natural grains by giving a staining in the desired color: conform to D.L. 161 for construction use.

Characteristics

Excellent weathering resistance
High penetration
Prevents from microorganisms (molds, fungi, etc.) and insects action
Resistent to UV light
No filmforming

VOC (Directive 2004/42/CE) (g/l)

Not film-forming woodstains for wood. EU limit value for this product (Cat A/f): 700 g/l (2010). this product contains max 700 g/l

Recommended surface and temperature conditions

Avoid applications at room temperature under +10°C or over +35°C and relative humidity over 80%. Verify surfaces suitability according to humidity degree . The wood humidity content must not be over 16%
Support temperature: min. +10°C - max +35°C.
Avoid applications with superficial condensation or under the direct sun action.

Reccomendations

Well mix before use.
We reccomend to apply the product evenly along the whole painting surface, avoiding to leave uncovered parts from which it could start a deterioration process of the applied cycle film and the support.
At application temperatures lower than +15°C it could be necessary to add more solvent to obtain teh desired application viscosity, Too much thinner will lead to a diminution of the sagging resistsance and could bring to defects during the application.
High humidity can cause opacification dulling during the application.
We recommend the use of soft sponges with neutral detergent to clean the painted surfaces. Avoid using abrasive cloths or rags as well as alcool detergents or any type of solvent.

In order to obtain an excellent result concerning the surface homogeneity and the drying uniformity, we reccomend to avoid the application under the direct exposition to the sun.

BE CAREFUL to the treatment on tannin-rich woods. In order to reduce dark spots, apply adequate insulating primer



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Application cycle

New or carried forward wood surfaces

Lightly sand to remove the raised wood fibres .

Remove the possible presence of resin by using adequate thinner.

Plaster the imperfections with synthetic stucco. Sand the stucco works and remove dust.

Check that the wood isn't too much wet.

Apply two coats of LIGNOWAX 12-16 h from each other.

PAY ATTENTION to the treatment of woods rich in tannin. In order to reduce the formation of dark spots, apply adequate insulating primer.

On exterior surfaces, in order to improve the support protection, we recommend the application of at least 3 coats of LIGNOWAX

Painted wood surfaces

Sand to remove the raised wood fibers.

Remove possible coats of bad anchored old paintings and roughen the surfaces which have already been painted.

Remove the possible resin by using an adequate thinner.

Plaster imperfections with synthetic stucco. Sand the stucco works and remove dust.

Check that the wood isn't too much wet.

Apply a coat of 1540 LIGNOWAX only in the degraded wood areas to uniform the absorptions.

Apply two coats of 1540 LIGNOWAX with a 12-16 hours interval from each other

On exterior surfaces, in order to improve the support protection, we recommend to apply at least 3 coats of 1540 LIGNOWAX

WARNING sealers can be applied on old painting if they have no filming characteristics from previous treatments (as oil and paintings), because they would not allow the penetration , so limiting or reducing the protection efficiency.

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Characteristics and technical informations

Data observable at T=20°C and 60% relative humidity

Tin aspect RESIN Color

Liquid
Acrylic
Color card LIGNOWAX
Paints achievable with MCS tintometric system

Use



Brush



Airbrush



Thinner

Ecoselva or CS/3000

Tools' cleaning

CS/2

Application process

Air Spray

Thinner (% Volume)	Ecoselva or CS/3000	0
Nozzle diameter	0,9 - 1,2	
Nozzle pressure (Atm/Mpa)	3 - 4	

BRUSH / ROLLER

Thinner (% Volume)	Ecoselva or CS/3000	0
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TECHNICAL DATA

Mass density (kg/l)	0,93	
Solids content by vol. (%)	23	
Solids content by weight (%)	-	
Brookfield viscosity (cP)	-	
ASTM 4 cup viscosity (s)	-	
Brilliance (%)	15	Mat
Out of dust (minutes)	-	
Touch dry (h)	3	
Depth dry (days)	16	

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TECHNICAL DATA

recommended dry film thickness (dtf) (μm)	5
Theoretical spreading rate (mq ² /lt)	23
Complete polymerisation - days	7 - 10
Recoating interval (h)	12
Minimum film temperature (°C)	+5
Dirt pick-up class UNI EN 10792	
Resistance to washing (UNI 10560) cycles:	-
Flashpoint (°C)	>27
Temperature resistance (°C)	-
Sandable (h)	-

Notice Data refer to the product mixed at 20 °C.

STORAGE (dry and cool place)

24 months in tightly closed package, protected from frost and heat sources

Storage temperature (°C)

+5 ÷ +30

Unit size

0,75 - 2,5 - 20 lt

Safety instructions

Products must be treated with attention, avoid the skin contact. Users will have to follow the actual laws. Actions as wet sanding, sanding, removal with flame, etc. of old painting coats can geerate dust and dangerous smokes. Work in well areated areas and wear the adequate individual protection means.

In Italy Decree 303 and 547 concern the rules valid for the application operations. For further information concerning the right product elimination, storage and manipulation please consult the relative taiechnical data sheet. Data in this technical sheet are only given for information and are the result of laboratory tets and practical experience, However, the factory is not responsible if the product isn't used under its direct control. SESTRIERE VERNICI Srl Technical Assistance is available to give all information necessary for a correct use of the product.

Be careful: the product could show, towards some subject who are particularly sensitive to isothiazolones, a little irritation. It's thus recommended to use gloves and protective glasses and to wash very well the parts which could by chance touch the skin.