



DELTALUX

Synthetic polish for outdoor / indoor with excellent brilliance and color retention



technical data sheet

Revision 0 fro 15/02/2017

Converter name	PL500
Destination	Protective and decorative finish for different surfaces (metal, wood, interior walls) as long as adequately prepared
Characteristics	Excellent brushability and relaxing Excellent brilliance and color retention Excellent resistance to mechanical stress Excellent adhesion Good covering power
VOC (Directive 2004/42/CE) (g/l)	Monocomponent paintings at high performances. EU limit value for this product (Cat. A/i): 500 g/l (2010). This product contains max. <500 g/l
Recommended surface and temperature conditions	Avoid applications at room temperature under +5°C or over +35°C and relative room humidity over 80%. Verify surface suitability according to humidity degree with hygrometer . Support temp: min: +5°C - max +35°C. WARNING: areate the environment to avoid humidity accumulation WARNING: the complete film polymerisation comes after 7-10 days at T=20°C e U.R.60% Avoid applications with superficial condensation or under direct sun action In enclosed spaces, properly ventilate the area during appliaction and drying
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. WARNING: for indoor application areate the environment and wear the adequate individual protection instruments The antirust-painted surfaces must be recoated as soon as possible with finish enamels , in order too keep unchanged over time the anticorrosive power of their pigments, which could be considerably reduced for long periods outdoor



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Application cycle

Never painted ferrous metal surfaces

Completely remove the possible calamine and rust on the surface through sandblasting Sa 2 1/2 or manual or mechanical cleaning (brushing ST3)

WARNING: the sanded surfaces must be recovered with antirust first coat in 8 hours

Carefully wash to eliminate possible contamination substances

Be sure that the support is completely dry

Apply an anticorrosive first coat as our PROTECTOR 7000 or ZINCPALST 11254 or 241 GLICEROFTALICO

After at least 12 hours apply 2 coats of DELTALUX with an interval of at least 24 hours from each other

Already painted ferrous metal surfaces

Cleaning through manual or mechanical system until complete elimination of old painting coats which are not well anchored and of possible rust spots.

Roughen the old, well anchored paintings and eliminate the sanding dust.

In case of strongly deteriorated surfaces we recommend to eliminate the old paintings and the rust caused by sand blasting Sa 2 1/2 or to remove paint and then eliminate the rust through cleaning by manual or mechanical system (brushing ST3).

WARNING: the sanded surfaces must be covered with a first antirust coat in 8 hours

Remove the dust from the surface

Be sure that the support is completely dry.

Apply 1 or 2 coats of DELTALUX with an interval of at least 24 hours from each other

On exterior surfaces, to improve the support protection, we recommend to apply 1 coat of anticorrosive first coat as our line PROTECTOR 7000 or ZINCPALST 11254 or 241 GLICEROFTALICO when iron is not painted

Galvanized surfaces, aluminum and light alloys

Carefully clean the surface from possible oxides through manual or mechanical system cleaning

Otherwise, carefully clean with solution DECAPHOS and let it work for a few minutes before a careful washing for the complete removal of the phosphatizing and degreasing solution

WARNING: residual of the solution DECAPHOS on the surface can compromise the good success of the painting cycle Be sure that the support is perfectly dry

Apply 1 coat of anticorrosive primer as our ZINCPALST 11254

After at least 12 hours apply 2 coats of DELTALUX with an interval of at least 24 hours from each other

PVC and ABS surfaces

Remove dust from support.

Check that the support is perfectly dry.

Apply a coat of anticorrosive primer like our ZINCPALST 11254 .

After at least 12 hours overcoating with polish finishes



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Application cvcle

New or carried forward wood surfaces

Lightly sand to eliminate the raised wood fibers
 Eliminate the possible resin by using an adequate thinner
 Plaster the imperfections with synthetic stucco. Sand the stuccoed parts and eliminate the dust
 Be sure that the wood isn't too much wet
 On woods at high absorption apply one coat of 3423 D'ECO' IMPREGNANTE to uniform the surface absorptions.
 WARNING for the traitement on tannin-riched woods. In order to reduce dark spots, apply adequate insulating primer.
 Sand the surface and then aapply 1-2 filling coats as our D'ECO UNIVERSAL PRIMER O DUROPAC
 After at least 12 hours apply 2 coats of DELTALUX with at least 24 hours interval from each other.

Painted wood surfaces

Sand to eliminate the wood fibers
 Remove old paintings not well anchored.
 Roughen the old well anchored painitings and eliminate the sanding dust
 Remove the possible resin by using adequate thinner
 Plaster imperfections with synthetic stucco. Sand the stuccoed parts and remove dust
 Make sure that the wood isn't too much wet.
 Apply 1 or 2 coats of filling primer as D'ECO UNIVERSAL PRIMER or DUROPAC
 After at least 12 hours apply 2 coats of DELTALUX with at least 24 hours interval from each other

Characteristics and technical informations

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

Tin aspect RESIN Color

Liquid
 Synthetic
 Transparent and neutral
 Paints achievable with MCS tintometric system
 Deltalux color cards

Use



Airbrush



Brush



Roll





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Thinner CS/3000

Tools' cleaning CS/3000

Application process

Air Spray

Thinner (% Volume)	CS/3000	0 - 3
Noozle diameter	0,9 - 1,2	
Noozle pressure (Atm/Mpa)	3 - 3,5	

BRUSH / ROLLER

Thinner (% Volume)	Selva nera or Ecoselva or CS/3000	0 - 3
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TECHNICAL DATA

Mass density (kg/l)	0,97 - 1,22	
Solids content by vol. (%)	60	
Solids content by weight (%)	74	
Brookfield viscosity (cP)	-	
ASTM 4 cup viscosity (s)	120 - 140	
Brilliance (%)	>90	Glossy
Out of dust (minutes)	120 - 180	
Touch dry (h)	4 - 6	
Depth dry (days)	24 - 48	
recommended dry film thickness (dtf) (μm)	25 - 30	
Theoretical spreading rate (mq ² /lt)	20 - 24	
Complete polymerisation - days	6 - 7	
Recoating interval (h)	24	
Minimum film temperature (°C)	-	
Dirt pick-up class UNI EN 10792		
Resistance to washing (UNI 10560) cycles:	-	
Flashpoint (°C)	>35	
Temperature resistance (°C)	100	

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



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STORAGE (dry and cool place)

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

Storage temperature (°C)

+5 ÷ +30

Unit size

0,375 l - 0,75 l - 2,5 l - 20 kg

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 generate dust and dangerous smokes. Work in well aereated 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 technical data sheet. Data in this technical sheet are only given for information and are the result of laboratory tests 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.