



UNDERCOAT 11010

Undercoat protective primer base synthetic resins R.E.



technical data sheet

Revision 0 fro 10/04/2017

Destination

Usable as primer on iron and steel surfaces, Applicable even on wood, Overcoatable with nitro, synthetic , fast drying, PUR, oven enamels, PUR 820 and brush alkyds our Deltalux and Superseta.

Characteristics

Easy to sand
Excellent adhesion
Fast drying
Good covering power
Good brushability

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. 410 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.
It is recommended to apply uniformly the product along the whole surface to paint in order to do not leave uncovered parts from which it could start a deterioration process of the applied cycle film and of the support. High humidities can lead to opacifications during the application. For the painted surfaces cleaning it is recommended to use soft sponges with neutral detergents. Avoid to use abrasive clothes or detergents containing alcohol or solvents of any type.

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.

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 cvcle

NEVER PAINTED FERROUS METAL SURFACES

Completely remove the possible calamine and rust from the surface through sandblasting Sa 2 1/2 or through cleaning with hand or mechanical system (brushing ST3). The sanded surfaces must be recoated with antirust first coat within 8 hors. Carefully wash to remove possible contamination substances. be sure that the support is perfectly dry. Apply 1 layer of anticorrosive first coat as our UNDERCOAT 11010. After at least 12 hours apply 2 layers of ENAMEL FINISH with an interval of at least 24 hours from each other

ALREADY PAINTED FERROUS METAL SURFACES

Cleaning with hand or mechanical system until complete elimination of the old painting layers not well anchored and of possible rust points Roughen the old paintings not well anchored and remove the wet sanding dust. In case of much deteriorated surfaces it is recommended to remove the old paintings and the rust which comes from sandblast Sa 2 1/2 or to use adequate paint stripper and then remove the rust with adequate hand or mechanical cleaning (brushing ST3). The sanded surfaces must be recoated with antirust first coat within 8 hours. Remove dust from the surface. Be sure that the support is perfectly clen. Apply a layer of anticorrosive frst coat as our UNDERCOAT 11010. After at least 12 hours apply 2 layers of FINITURA SMALTO.

NEW OR RENEWED WOOD SURFACES

Sand to eliminate the raised wood fibers. Remove the possible resin by using adequate thinner. PLaster imperfections with synthetic stucco. Sand the filling and remove dust. Be sure that the wood is not too much wet. BE CAREFUL at the treatment on tannin rich woods. In order to reduce dark spots , apply adequate insulating first coat . Sand the surface and then apply 1 or 2 11010 first coat layers until standardisation of surface absorption. Aftre at least 4 hours complete the painting with 2 finish layers with an interval of 24 hours from each other.

ALREADY PAINTED WOOD SURFACES

Sand to eliminate the raised wood fibers, Remove layers of bad anchored old paintings. Roughen the old paintings which are not well anchored and remove the wet sanding dust. Remove the possible resin by using adequate thinner. PLaster the imperfections with synthetic stucco. Sand the filling and remove dust. Be surethat the wood is not too much wet. Apply 1 or 2 layers of 11010 first coat until standardisation of surface absorption. After at least 4 hours complete the painting with 2 finish layers with an interval of 24 hours from each other.



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Characteristics and technical informations

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

Tin aspect RESIN Color

Liquid
Synthetic
White

Use



Brush



Roll



Spray gun



Thinner

CS/2 - CS/3000

Tools' cleaning

CS/2 - CS/3000

Application process

Air Spray

Thinner (% Volume)	CS/2 or CS/3000	20
Noozle diameter	1,2 - 1,4	
Noozle pressure (Atm/Mpa)	3 - 4	

Airless spray

Thinner (% Volume)	CS/2 or CS/3000	5 - 10
Noozle diameter	0,46 - 0,53	
Noozle pressure (Atm/Mpa)	150 - 180	

BRUSH / ROLLER

Thinner (% Volume)	CS/3000	5 - 10
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TECHNICAL DATA

Mass density (kg/l)	1,55	
Solids content by vol. (%)	54	
Solids content by weight (%)	74	
Brookfield viscosity (cP)	-	
ASTM 4 cup viscosity (s)	-	
Brilliance (%)	20 - 30	Satin
Out of dust (minutes)	15 - 20	
Touch dry (h)	1	
Depth dry (days)	6 - 12	
recommended dry film thickness (dtf) (μm)	30	
Theoretical spreading rate (mq ² /lt)	18	
Complete polymerisation - days	7 - 10	
Recoating interval (h)	min. 4 h ; max 15 gg	
Minimum film temperature (°C)	+5	
Dirt pick-up class UNI EN 10792		
Resistance to washing (UNI 10560) cycles:	-	
Flashpoint (°C)	>21	
Temperature resistance (°C)	120	
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

0,5 - 2,5 lt

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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 aerated 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.