

PRODUCT: NAUTILUS GELCOAT LIGHT MARK 2 - WHITE

DESCRIPTION: BICOMPONENT GLAZING RESIN ENAMEL

CATEGORY: ENAMEL

CARD REVISION: 17.10.2022 LAB REF.: 195/010

CHARACTERISTICS

Two-component vitrifying resin enamel based on pigmented epoxy resin and cycloaliphatic amine hardener. Solvent free. It does not release substances after 7 days from application and is suitable according to the prescriptions of the Ministry of Health, for coatings of containers which come into contact, at room temperature, with some foodstuffs (Test Report No. 154682 concerning the suitability in contact with foodstuffs in compliance with the provisions of Ministerial Decree 21/03/73 and subsequent amendments of Presidential Decree 23/08/82 No. 777), such as containers for drinking water, silos for powdered feed plants and water purification plants. The surfaces are washable, decontaminable and disinfected with a 3% sodium hypochlorite solution (DL No. 155 of 05/26/97 concerning the hygiene of food products).

APPLICATION CYCLE PREPARATION OF FUNDS

Iron: carefully remove any rust and loose parts. Remove previous enamels with Uni Stripper, sand, degrease and dust. Apply a coat of Grapper epoxy primer. **Difficult Supports:** surfaces such as metal alloys, galvanized iron, tiles, smooth concrete, plastic or fibreglass, after suitable degreasing, must be made rough by mechanical action (sanding) or chemical processes (acid washing). An important recommended aid is also provided by the addition of 1% Liquitak adhesion promoter.


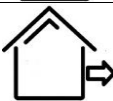



Cement plasters: if new leave to age. Always remove the greasy and non-adherent parts, brush. In the case of crumbling surfaces, apply a coat of Paviplast-fix epoxy fixative.

Polystyrene: the product, being free from solvents, can also be applied directly on polystyrene.

Wood: hard woods can be treated with NAUTILUS GELCOAT LIGHT MARK which also performs a sealing and vitrifying function. **Finish:** apply one or two coats depending on the desired thickness. High thicknesses (a few millimetres) can also be applied horizontally without compromising drying or hardening in depth.

TECHNICAL FEATURES at 22°C and 60% relative humidity

I wait gloss:	And finish-	brilliant glassy
Density:		A: 1.000±0.050 kg./l. B: 1.020±0.050 kg./l.
Viscosity:		A: 50"±10 F/8 B: 20"±5 F/8

Point of flammability:	Of	11°C				
Recommended thickness for each hand:		150±20 μ - apply at least two coats				
Storage life:		36 months				
Dry to touch:		12 noon				
Deep dry:		48 hours				
Overpaintable:		12 noon				
Component Ratio:		A : B = 5.9 : 1				
Pot-life useful life of the mixture:		40'-50' at 15°C 15'-20' at 25°C				
Interior:		Yes				
External:		no				
Colors:		white				
Diluent:		E/SA				
Application:		0-5%		0-5%		0%
Tool cleaning:		E/SA				
Theoretical yield m ² /L.:		4±1				
VOC classification:		High performance reactive two-pack paints. EU VOC limit value (CAT j/s): 500 gr./l. (2010). NAUTILUS GELCOAT LIGHT MARK contains a maximum of 500 gr./l.				
Precautions		Store in a tightly closed jar, away from frost, direct sunlight and heat sources. Disposal of paint residues or dirty containers must take place in accordance with environmental protection regulations.				
Advice		Thoroughly mix the two components for approx. 3 minutes. Transfer the mixture into another container to ensure that all of the comp. A, including the part adhering to the bottom of the can, is completely catalysed by comp. B. Always mix only the quantity that can be applied within 40-50'. The end of the utilization time can be determined by observing a strong increase in viscosity; at that point do not use the mixture any more, not even trying to dilute it further. Pot-life decreases as temperature increases, so you have more time to apply the hotter it is				

	<p>low the temperature. Do not apply at temperatures below 10°C or above 28°C.</p> <p>Bear in mind that as the temperature increases, the speed of hardening increases and furthermore, following the greater cross-linking obtained, the mechanical characteristics and resistance to chemical agents are higher than at room temperature. However, given the particular constitution of this formulation, which makes NAUTILUS GELCOAT LIGHT MARK insensitive to humidity, the application can take place with perfect hardening even with high relative humidity (eg 95%): obviously with an extension of the drying time. At room temperature the NAUTILUS GELCOAT LIGHT MARK is free of stickiness after 6-8 hours; after one day it can be subjected to mechanical stress and after 7 days to the action of chemical agents for which we give a scale of resistance:</p> <p>GOOD RESISTANCE:</p> <ul style="list-style-type: none">- Water (also from the sea);- Saline or sugar solutions;- Mineral oils or fatty oils;- Petrol;- Aliphatic substances,- Quaternary ammonium compounds. <p>MEDIUM RESISTANCE:</p> <ul style="list-style-type: none">- Acids, also diluted organic;- Aromatic hydrocarbons;- Alcohols, esters, ketones;- Carbon tetrachloride;- Fuels. <p>BAD RESISTANCE:</p> <ul style="list-style-type: none">- Chloroform, phenol, cresol, styrene;- Methylene chloride;- Concentrated organic acids;- Concentrated nitric, sulfuric, hydrochloric acids. <p>In contact with the aforementioned substances, the resistances decrease as the temperature increases. Prolonged washing with successive passages of steam (100° C.) is therefore not recommended; On the other hand, there are no undesirable effects with a passing pass.</p> <p>Tool cleaning: E/SA thinner</p>
Specification item	With a consumption of _____ kg./m2. to be applied in two coats at the price of _____ € per sq m.
packs	A+B 16,000-2,500-0,750 kg.

This information has been prepared on the basis of our technical and application experiences, however, since the conditions of use may be influenced by elements beyond the manufacturer's control, the Company assumes no responsibility for the results. In case of doubts or uncertainties it is advisable to carry out preliminary tests or ask for the advice of our technicians.