



## Smaltolux hydro

### Ecological Polyurethane Hypoallergenic & Antimicrobial water-based Enamel



**Covering Power:** 11-13 m<sup>2</sup>/lt



**Drying:** 2 - 3 hours



**Dilution:** up to 10% on volume with water using brush or roller, or , up to 20% when using spray.



**Recoatability:** 6+ hours



**Packing:** 750ml , 2,5lt

**Application Tools:** Brush, Roller, Spragun

#### GENERAL CHARACTERISTICS

Ecological, polyurethane, acrylic water-based enamel for interior use. Odorless. Innovative coating with antimicrobial efficiency. Due to its synthesis protects the film from growth of microorganisms (bacteria and fungi).

It can be used on surfaces of wood metal, glass, hard PVC, plaster, old alkyls etc., with excellent adhesion. Gives smooth, hard and elastic non yellowing finish. It offers prolonged open time with very good flow and leveling. It has been certified under EN 71-3 against heavy metal migration on children toys and furniture. Intended for use in areas with high humidity.

Smaltolux hydro has been awarded by The British Allergy Foundation (Allergy UK, [www.allergyuk.org](http://www.allergyuk.org)) for its performance against allergens caused by fungi and bacteria (as also about the minimal VOC and formaldehyde content) contributing to a better place of living for allergy and asthma sufferers. In medical literature it is well known and accepted that microbes act or produce allergens.

Smaltolux hydro has been tested by Paint Research Association (PRA - UK) for its performance as antimicrobial and easy clean coating as also for its performance against microbes (bacteria and fungi) proved tough enough causing hospital infections especially fungal infections in Intensive Care Units like Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Alternaria alternata, Aspergillus versicolor, Aspergillus niger, Aspergillus fumigatus, Candida albicans, Klebsiella pneumoniae.

Smaltolux hydro is certified with European Ecolabel (EL/044/07) with the best wet scrub resistance and easy clean (Class 1, EN 13300/ISO 11998).

Minimized content of hazardous substances. Reduced volatile organic compounds (VOCs).

Smaltolux hydro is an ideal solution for:

- hospitals, intensive care units, surgeries, baby care units,
- hotels, schools, public buildings
- bakeries, food storage and pharma warehouses, military buildings,

sport centers, breweries, and other surfaces exposed to damp conditions (kitchens, bathrooms), inadequate ventilation and air tight places as also places where high hygienic conditions are demanded contributing to a better indoor environment especially for allergy and asthma sufferers.

**TECHNICAL CHARACTERISTICS**

<b>Texture</b>	<b>GLOSS:</b> 70-80 units at 60°. <b>SATIN:</b> 25-35 units at 60°. <b>VELVET:</b> 6-12 units at 60°.
<b>Specific Weight</b>	1,05 - 1,35 kg/lt depending on the shade.
<b>Covering Power</b>	11 - 13 m <sup>2</sup> /lt per layer.
<b>Dilution</b>	Up to 10% on volume with water using brush or roller and max 20% when using spay.
<b>Drying</b>	2 - 3 hours, touch free.
<b>Recoatibility</b>	6 hours after first application. It is recommended that recoating should take place 18 hours after application for better results. Those times elongate in cold and wet weather conditions.
<b>VOC class</b>	“Interior/exterior trim and cladding paints for wood and metal” Type WB. VOC limit =130gr/lt. Max VOC of product ready for use= 60gr/lt. VOC: organic volatile compounds with boiling point < 250°C.
<b>Formaldehyde Emissions</b>	<10 µgr/m <sup>3</sup> , 24 hours after paint application (ISO 16000-3, ISO16000-9, CET/TS15516, EN16402)
<b>Adhesion</b>	3,79 MPa according to ISO 4624 (Pull off adhesion).
<b>Wet scrub resistance</b>	Class I according to EN 13300, method ISO 11998 (Test for clean ability and scrub resistance)
<b>Antifungal Properties</b>	Excellent antifungal properties against moulds Class I according to BS 3900: G6. Killing action 99,99% according to ISO 22196: 2007.
<b>Shades</b>	White and thousands of ecological shades via VECHRO Tinting system.



Ασφαλές για παιδικά παιχνίδια  
 EN 71-3



## SURFACE PREPARATION

To make sure of a successful paint adhesion, the surface has to be cleaned of oil, grassy substances, cropped paints, ink etc. Sandpaper well, remove dust and prime on Wood, Hard PVC, Aluminum etc, with 1-2 coats of SMALTOLUX hydro MASTER PRIMER and on metal surfaces with 1 coat of anticorrosive OXIDOL and 1 coat of SMALTOLUX hydro MASTER PRIMER afterwards.

## APPLICATION

Stir well. Apply 2 coats of Smaltolux hydro.

Minimization of paint wastage: for a surface of 10 m<sup>2</sup>, 1,6lt of paint is needed for two coats. Apply uniform on the surface and work with it not more than 5-10 min.

## CLEANING TOOLS

While working keep your equipment wet, either in the pot or in the paint launder. Strain well your tools from paint back to the pot and clean immediately with water and soap. Avoid washing materials entering into watercourses.

## APPLICATION CONDITIONS

Temperature 8-35°C and relative humidity lower than 80%. Contrary weather conditions may degrade product's quality.

## STORAGE

Store in a cool place, protect from freezing and sun exposure. Close the can well after application to keep in good condition. Recover unused paint for re-use. Reuse of paint can effectively minimize the product's life cycle environmental impact.

## LABELLING

This product has been awarded with the Eco-label, eco criteria 312/2014/EE product category "indoor & outdoor paints and varnishes". More information in Material Safety Data Sheets (MSDS).

The technical data and instructions included in this technical leaflet are based on audits of confidential laboratories and result of the knowledge and experience of the company's scientific staff. The quality of the product is guaranteed by the company, which is aligned with the requirements of ISO 9001, 14001 and EMAS. As a producer, we are not responsible for any damage or damage caused if the product has not been used for proper application and in accordance with its instructions for use.