



SMALTOPLAST Silk

ECOLOGICAL SILK EMULSION PAINT WITH HYGIENIC & ANTIMICROBIAL ACTION

GENERAL CHARACTERISTICS

Ecological, water based wall emulsion paint with eggshell finish for interior use. Odourless. Innovative coating with antimicrobial efficiency. Due to its synthesis protects the film from growth of microorganisms (bacteria and fungi), which reduces the presence of fungal and bacterial allergens in the building providing a better air and hygienic inside environment with fewer problems for allergy and asthma sufferers. Easy clean (class 1, EN 13300), providing more clean surfaces. Intended for use in areas with high humidity. Minimised content of hazardous substances. Reduced volatile organic compounds (VOCs).

Using **Smaltoplast Silk**, there is almost zero risk during application from chemical allergens like solvents (Volatile Organic Compounds), formaldehydes and other toxic and hazardous substances as those forbidden to be use by European Ecolabel.

Due to its innovative function **Smaltoplast Silk** can “prevent the growth” of microbes like bacteria and fungi (yeasts & moulds) on the coating film. The paint is super washable and easy clean providing fresh looking surfaces.

Smaltoplast Silk has been awarded by The British Allergy Foundation (Allergy UK, 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.

Smaltoplast Silk 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*.

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

Smaltoplast Silk 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 centres, 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

Texture	: Eggshell with sheen 4-8 units at 60°
Specific gravity	: 1,30 – 1,40 kg/lit, depending on the shade.
Covering power	: 12 – 14 m ² /lit per layer
Dilution	: 10 – 15% on volume with water
VOC class	: “Interior mat coatings for walls and ceilings”. Type WB. VOC limit = 30gr/lit. Max VOC of product ready for use = 6,5gr/lit. VOC: organic volatile compounds with boiling point < 250°C.
Formaldehyde emissions	: <10 µgr/m ³ , 24 hours after paint application (ISO 16000-3, ISO16000-9, CET/TS15516, EN16402)
Wet Scrub Resistance	: Class 1 (EN 13300 / ISO 11998)
Drying	: ½ - 1 hour touch free.
Recoatability	: Recoatable in 3-5 hours after application. These times prolong under cold and wet weather conditions.
Shades	: White and thousands ecological shades via VECHRO Tinting system.

PACKING: White: 1lt, 3lt, & 10lt
Shades: 1lt, 3lt & 10lt

APPLICATION EQUIPMENT: Brush, roller or airless spray.

SURFACE PREPARATION

Clean the surface of dust, oil, unsound existing paints and dampness. Sandpaper well and prime with 1 coat of Smaltoplast Universal Primer. **Dirty surfaces** (damp, nicotine, ink, fungi, graffiti, oil spots etc) should be primed with special primer SMALTOX hydro.

APPLICATION

Stir well. Apply 2 coats of SMALTOPLAST Silk.

Minimization of paint wastage: For a surface of 10 m², 1,5lt of paint is needed for two coats.

Advice! For dark shades, in order to minimize the number of coats, we propose to apply SMALTOX hydro in grey shade S 1502 as a first coat.

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 8-30 °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

Contains biocidal products [IPBC (55406-53-6), Zinc Pyrithione (13463-41-7) & "nano" Silver Chloride (7783-90-6)] for the preservation of the dry film. Do not dispose near surface water during or after use.

This product has been awarded with the Eco-label, eco criteria 312/2014/EE product category "indoor & outdoor paints and varnishes".



Better for the environment ...

- Minimized content of hazardous substances
- Reduced volatile organic compounds (VOCs): 6,5gr/lit
- Good performance for indoor use

... better for you.



**Awarded to Smaltoplast Silk by Allergy UK.
Suitable for allergy and asthma sufferers as
the product has been scientifically proven to
reduce exposure to allergens**

European ecolabel interior wall emulsion paint (water based) with eggshell finish. Odourless with minimal levels of VOC and zero formaldehyde, easy clean, hygienic coating with antimicrobial (fungi & bacteria) efficiency, which reduces the presence of fungal and bacterial allergens, contributing to a better indoor environment for allergy and asthma sufferers.

For more information as to why this product has been awarded the Seal of Approval visit the www.allergyuk.org