

AplaLux

Emulsion Paint For Indoor Use

AplaLux is a film-forming product based on acryl-styrene copolymer aqueous dispersions, pigments, filling materials, additives. **AplaLux** is a mat acrylic styrene emulsion for indoor surfaces of mortar, concrete, bricks, plaster board and plastered walls. **AplaLux** combines the esthetical result of superior whiteness with good opacity and excellent resistance to washing/rubbing.

Product Characteristics

- Uniform mat finish.
- High opacity.
- Superior whiteness.
- Resistance to washing or wet rubbing.
- Good workability, very easy application without splashing or wetting effects.
- Strong adhesion to surface.
- No yellow effects in time.
- Resistant to fire, prevents flame and fire spread.
- Colors: available in white and other 20 standard colors or 1200 shades within AplaColorSelect system. It can be also shaded using the 8 basic AplaLux colors.

Product type: monocomponent

Film-forming mechanism: physical – by water vaporization and coalescence (at temperatures ranging between 15-30°C).

Usage: To protect and decorate concrete, masonry, asbestos, cement, plaster board surfaces.

Technical features

- Coverability: 12 -16 mp / l / layer
- Volatile Organic Compounds: 24g/L
- Solids by volume: 42.50% v/v +/- 1%
- Solids by weight: 65% w/w +/- 1%
- Specific weight: 1.6kg/L +/- 0.02
- Viscosity ICI 1.6– 2.2 ps
- Gloss (degree): 2– 3 units at 85C
- Bleaching factor: W1 > 86
- Film thickness: wet: 77 - 83µm
dry: 33 - 35µm
- Drying time: 1 hour
- Second layer application: after 2 hours (even longer, according to temperature and humidity).
- Dilution: 5 – 10% with water.

Instructions For Application

In order to obtain the maximum performance of the product, a rigorous compliance with all application instructions, conditions, precautions and possible limitations is necessary.

Preparing the product for use

Before the package is opened, remove any traces of water, oil or other foreign bodies, in order to prevent product contamination.

Be sure the temperature is between 15-30°C.

Assure a homogeneous content for a perfect dispersion of any possible deposit by using an appropriate mechanical stirrer.

ATTENTION!!!

IT IS FORBIDDEN to mix the product with lime, clay, polyvinyl acetate or organic solvent-based paints.

Application conditions

The product may be thinned out with 5 - 10% water.

Conditions for application:

Environment temperature: 5 - 40°C

Environment relative humidity: 85%

Support temperature: 12-30°C

Product temperature: 15-30°C

Do not apply the product at temperatures below 8°C or on moist surfaces.

The rooms where the painting is to take place should be free of dust, humidity, strong draughts and the surface to be painted should be properly lighted.

The rated consumption is one liter per 12-16m² each layer, according to the support porosity and texture.

The material loss during preparation and application should be further considered. The loss depends on the application method, the surface shape, size and type.

Surface preparation

The surface preparation has important effects on determining the protection capacity of the covering system and the resistance in time.

It is recommended that the support layer should have a white cement-based **AplaFill** plaster finishing, then **AplaInPrime** primer which, together with the filler support, reduce the paint consumption. If the primer is not available, the product may be used instead, diluted with 20-30% water.

Painting masonry, concrete, gypsum

a) *New indoor surfaces*

The concrete surfaces must be perfectly dry. The concrete minimum hardening time (at 20°C and 50% relative humidity) is 28 days.

Any possible efflorescence will be removed using a coarse cloth or by brushing (within periods not longer than 15 days). Painting begins only after efflorescence has ceased.

The surfaces should be cleaned of plaster splashes, dust, grease or other foreign bodies.

b) *Repainting indoor surfaces*

In case the previous layer is clay or lime, it should be washed away or scraped off to the proper support.

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The repaired areas should be let to dry out, and then cleaned of dust and foreign bodies. It is recommended to apply a joint primer layer or the product diluted with 20-30% water. It is not recommended to apply the product onto other mat paints when primer is missing.

Application methods

The product may be applied using a roller or brush in dilution with 5-10 % water.

Cleaning the application tools

The application tools should be washed with water both before and after use.

Application details

It is recommended to apply two layers of paint. The dry film recommended thickness ranges between 110 -150 µm.

Let the film dry out enough before applying the next layer. Do not apply a layer before treating and cleaning the surface.

Drying

The drying time depends on temperature and humidity (environment and support) and on the film thickness. It becomes longer for low temperatures and increased film thickness. Poor ventilation of the room and excessive humidity, increase the drying time.

The ideal environment temperature for film drying is: 23±2°C. The drying time is one hour.

Packing, Marking, Transportation And Storage

According to SR 2993/1993 with the following mentions:

Package - polyethylene or polypropylene buckets of 3 l, 10 l or 15 l

Marking – manufacturer's name

- product name
- product type
- batch
- expiry date
- net quantity ±2%

Transportation – unexposed to sun radiations and bad weather

- minimum temperature: 5°C.

Storage – in dry ventilated areas protected from bad weather, at temperatures ranging between 5 - 30°C.

Attention: - keeping the product at temperatures below 5°C may result in damaging the product.

NOT flammable!

Validity Term

Following the above terms and conditions, with the original sealed package, the shelf life is 12 months.

During such period of time the product keeps all its film-forming properties, although it may get thicker or form a deposit.

Any pigment sedimentation likely to occur can be easily redispersed. The products should be used within the manufacturing and expiry dates. On expiry of the shelf life, the product should be checked out in terms of film-forming according to the technical conditions referred to and may be used in case of compliance.

Safety And Health

- In case of contact with eyes, wash immediately with plenty of water and seek for doctor's advice.
- No lead or mercury content.
- Non toxic in case of contact with skin.
- Keep away from reach of children.