

# AplaChrom

## Economic Emulsion Paint For Interior Use

**AplaChrom** is a film-forming product based on water dispersions of acryl-styrene copolymers, pigments, fillers, additives. **AplaChrom** is a mat acryl-styrene emulsion for indoor surfaces made up of plaster, concrete, bricks, gyps-cardboard and plastered walls. **AplaChrom** combines the aesthetic result of a superior white color with a good opacity and an excellent resistance to washing/scrubbing.

### Product Characteristics

- A mat and perfectly uniform result
- High opacity
- Superior white color
- Resistance to washing or moist scrubbing
- Good workability, very easy application with no splashing or moistening effects
- Strong adhesion to the surface
- No color reversion effects
- It is fire proven and it prevents the spreading of flames and fire
- Colors: Available as white and could be shaded with one of the 8 Apla basic colors.

Product type: monocomponent

Film-formation mechanism: physical – via the evaporation of water and coalescence (at temperatures between 15-30°C).

Usage: To protect and decorate the surfaces made of concrete, brickwork, asbestos cement, gyps-cardboard.

### Technical Features

- |                               |   |
|-------------------------------|---|
| • Coverage:                   | 10 - 14 sq.m. / / / layer                           |
| • Volatile organic compounds: | 24g/L   |
| • Solids per volume           | 40% v/v +/- 1%                                      |
| • Solids per weight           | 65% w/w +/- 1%                                      |
| • Specific weight             | 1.6kg/L +/- 0.02                                    |
| • Viscosity                   | RT13-15ps ICI1.6-2.2 ps                             |
| • Gloss (degree)              | 5– 7 units at 85C                                   |
| • Whitening factor            | W1 > 86   |
| • Film thickness              | Wet 77 - 83µm<br>Dry 22-33 µm                       |
| • Drying time                 | 1 hour  |
| • Second layer                | After 2 hours (pending on 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 the 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 at 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 be applied should be free of dust, humidity, strong draughts and the surface to be painted should be properly lighted.

The theoretical consumption is of one liter for 10-14 sq.m. per layer, it is a function of the 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

Surface preparation strongly influences the settlement of the protection capacity of the coverage and the resistance in time.

It is recommended 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, plaster

#### **a) New indoor surfaces**

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

The possible blooming will be wiped out with a coarse cloth or by brushing (within periods not longer than 15 days). The painting will start only after blooming has been removed.

Clean plaster drops, dust, fats or other types of impurities from the surfaces and prime the wall with **AplalNprime**.

### **b) Repainting indoor surfaces**

In case the old layer is clay or lime, wipe it away by washing or scraping it down to the adequate support.

The repaired areas should be let to dry out, and then cleaned of dust and foreign bodies. It is recommended to apply an **AplalNprime** 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.

## **2.3 Application methods**

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

### **Cleaning the application equipment**

The application equipment used will be washed with water both before and after usage.

### **Application details**

It is recommended that you should apply 2 layers of paint. The recommended thickness of the dry film is between 110-150 µm.

Application time at 23±2°C: 3 hours minimum. Leave enough time for the film to get dry before applying the next layer. Do not apply any layer until the surface was treated and cleaned.

### **Drying**

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

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

### **Packaging, Marking, Transportation And Storage**

According to SR 2993/1993, with the following remarks:

Packages: polyethylene or polypropylene buckets of 3 l, 10 l, 15 l

Marking

- producer name
- product name
- product type
- lot
- 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!**

## Best Before

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

During this period, the product preserves all its film-forming properties, but it may become thicker or it may deposit.

Any pigment sedimentation likely to occur can be easily re-dispersed. The products should be used between 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, immediately wash with plenty of water and ask for doctor's advice.
- No lead or mercury content.
- Non toxic in case of in contact with the skin.
- Keep away from reach of children.