

High quality acrylic color paint for interior & exterior applications

# UZIN PROTON

Water emulsion acrylic architectural color paint for ceilings and walls

## Description:

High quality water acrylic emulsion architectural color paint. Coats and protects mineral surfaces. Easy application and coverage. Washable. Indoor and outdoor use. High quality reliable solution for private and professional uses to initial indoor painting or freshening up to existing old paint layers. Dries quickly and could be easily recoated. Combines high whiteness with high coverage, easy application with no roller marks and splices.

Suitable for use on:

- ▶ Absorbent substrates like cement screeds, calcium sulphate screeds and concrete.
- ▶ Calcium/cement plasters
- ▶ Gypsum plates / Ytong
- ▶ Ceilings and walls in residential and professional areas like staircases, warehouses and generally areas that do not require resistance to washing and staining.

## Product properties / advantages:

Acrylic water emulsion architectural color paint for indoor walls and ceilings. High coverage and performance. High whiteness and excellent cohesion onto all types of mineral substrates. It is not dangerous for human health and natural environment.

Composition: Modified copolymer resins with inorganic fillers and suitable auxiliaries.

- ▶ Economic
- ▶ High whiteness
- ▶ Coverage
- ▶ Easy and fast application
- ▶ Odorless without solvents
- ▶ Low emissions

## Technical Data:

Package:	PE containers
Sizes:	15 kg, 5 kg and 1 kg
Storage:	minimum 12 months
Color:	White
Viscosity:	2500-3000 centipoise
Density:	1,60 ± 0,02 Kg/lit (ISO 2811)
Glossiness:	<5 units at 60° (ISO 2813)
pH:	10-11 at +23°C
Consumption:	80 - 150 g/m <sup>2</sup>
Min application temperature:	10 °C
Ideal working temperatures:	15 - 25°C (substrate)
Drying Time:	30 - 60 minutes*
Next coating:	Aftr 3 hours*

\* At 20 °C and 65 % R.H. See also "Consumption Table".

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## Substrate preparation:

The substrate must be sound, load bearing, dry, free from cracks, clean and free from materials (dirt, oil, grease), that would impair adhesion. Uneven or areas with stagnating waters must be abraded and vacuumed off or be repaired first with the recommended UZIN mortar before applying UZIN PROTON.

Test the substrate in accordance with applicable standards and bulletins and report any deficiencies.

Any adhesion-reducing or unstable layers e.g., release agents, loose adhesives, compounds, covering or paint residues etc. must be removed, e.g., by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum off loose material and dust. Allow any primers that are applied to dry completely.

Refer to the product data sheets for other products used.

## Application:

1. Allow the container to reach room temperature before use and shake well, before the use.
2. Prime newly surfaces with UZIN PE-421 or UZIN SB-500. Old painted surfaces could be primed with water diluted UZIN PROTON in a ratio 5-10% w/w.
3. Apply a uniform layer using a roller, brush, and air pistol (5-10% w/w water dilution).
4. Drying: Allow any layers that are applied to dry completely to get a uniform film. Normal time for drying is 1-2 hours for gypsum and plasters, and 2-4 hours for absorbent surfaces like cement screed and concrete. Drying time always depends on relative temperature and humidity. When a substrate is very absorbent, avoid pouring too much product at ones, but best apply 2 successive layers if required.
5. Clean tools with water immediately after use.

## Consumption data:

Substrate	Consumption	Drying
Cement screeds, concrete	80 g/m <sup>2</sup>	Approx. 30 minutes*
Calcium sulphate screeds, gypsum, plasters	85 g/m <sup>2</sup>	Approx. 60 minutes*
Non-absorbent surfaces	75 g/m <sup>2</sup>	Approx. 90 minutes*

\* At 20°C and 65% R.H.

## Important notes:

- ▶ Shelf-life min. 12 months in original packaging when stored in moderately cool conditions. Re-seal opened containers tightly and use contents as quickly as possible. Allow product to reach room temperature before processing.
- ▶ Optimum working at 15 - 25 °C, substrate temperature over 15°C and relative humidity below 65 %. Mind dewpoint to avoid failures, due to water vapor condensation. Low temperatures and high humidity will delay whilst high temperatures and low humidity will accelerate the drying time.
- ▶ Do not use on chipboard panels, OSB panels or other wood-based substrates. In such cases, use a suitable primer from the current UZIN product range.
- ▶ Observe generally acknowledged industry and technology best practice, plus the respective applicable national standards. (e.g., EN, DIN).

## Protection of the workplace and the environment:

Very low emissions - Does not emit formaldehyde, or other harmful substances and/or volatile organic compounds (VOC's), based on Directive 2004/42/CE (Annex II, Table A). The maximum permitted VOC content for the product sub-category type of water-soluble products is 30g/l (2010). The product contains <30g/l (15.18 g/L) VOC. It also contains a reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May cause an allergic reaction. It is odorless, as well as harmless to humans and the environment, when completely dry. **For allergy information, call the poison control center +30 210 7793777 (Greece).**

## Disposal:

Collect and reuse product residues wherever possible. Do not dispose of into the sewer system, open water, or the soil. Empty, plastic containers (scrapped clean and drip-free) can be recycled. Containers with liquid residues are classified as special waste, as are collected liquid product residues. Containers with residues that have dried solid are classified as construction / household waste.