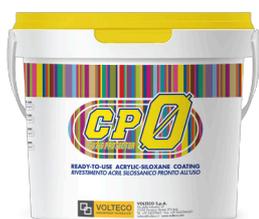




# CP0

## PRODUCT DESCRIPTION

CP0 is a thick, coloured paste, organic mineral finish coating for outdoor and indoor use, featuring high breathability and water resistance, composed of water-dispersed acrylic-siloxane resins.



## PRODUCT APPLICATION

Protection and finish of walls in general, both outdoors and indoors.

Particularly suitable for:

- Cement-based or lime plasters, both new and well-cured or old and well-adhered to surface
- Light plasters and thermo-insulating plasters, as well as absorbent and non-absorbent
- Surfaces with synthetic finishes or plastic paint
- Exterior insulation systems, on either on relative reinforced levelling or on existing finishing coats
- Concrete surfaces
- CP1 cycle finish

## ADVANTAGES

- Fine aesthetic appearance, available in different sizes
- Compact effect, excellent filling and covering capability
- Resistant to the formation and proliferation of mould, algae and fungi
- Long-lasting thanks to high resistance to atmospheric agents and UV rays
- Practical package, ready to use
- Excellent adhesion to both mineral supports and painted surfaces
- Excellent water repellency
- Good breathability
- Good flexibility, especially in combination with CP1 cycle

## PREPARATION AND APPLICATION Preparing the surfaces

### Surfaces with the presence of mould, algae and fungi

Thoroughly pressure blast the surfaces to remove any micro-organisms, wait for them to dry and apply an undiluted coat of PROCLEAN disinfectant treatment (see relative data sheet), then wait at least 2-3 hours before the application cycle.

### Surfaces with the presence of evident cracks or widespread micro-lesions

Prepare the surfaces using the CP1 cycle (see relative technical data sheet).

### Existing surfaces such as deteriorated, powdery or weakened plasters.

Remove the inconsistent or detached parts from the surface by brushing and thorough pressure-washing and restore.

Wait at least 24 hours after completing repairs and apply PROFIX 40 (see relevant data sheet) in the same colour as the CP0 finishing product, or PROFIX 30 (see relevant data sheet) if the colour of the



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surface and CP0 is identical or slightly different.

It is necessary to apply PROFIX 30 before applying PROFIX 40 if the surface requires a substantial fixative effect.

### Existing surfaces in good state or newly-built, such as: plaster, repair and levelling mortars in general, reinforced levelling compounds and thick coatings, paints and varnishes.

Wait for the newly prepared surfaces to cure completely.

Apply PROFIX 40 in the colour corresponding to the CP0 finish or, in case of equivalence or slight difference between the colour of the substrate and the colour of CP0, apply PROFIX 20 (see relevant data sheet) to unify the absorption.

### Existing concrete surfaces in good state or newly-built

Scarify any surfaces where there are loose parts, even if partially detached, efflorescence and dust or grease.

Then high-pressure clean.

Clean the exposed reinforcement bars and passivate them with SANOFER (see relevant data sheet).

Repair deteriorated parts with a Volteco mortar cycle (see the relative technical data sheets).

When the surface is dry, apply PROFIX 40 in the same colour as the CP0 finish.

Only if the colour of the surface and the colour of CP0 are identical or slightly different, apply PROFIX 20 or PROFIX 30 depending on the conditions of the surface.

### Preparing the mixture

The product is ready to use, if it is excessively viscous add up to 1% water and homogenise it using a drill-mixer at a low speed.

### Application

Apply a layer of the product using a metal spatula, continuously wet on wet so as to prevent shading in the overlapping areas.

After letting it dry briefly, even out the application by going over it again with a plastic float or metal spatula using a rotary movement to finish, a sponge float can also be used in case of 0.4 mm CP0.

If it is necessary to apply a second coat, always to be foreseen in case of 0.4 mm CP0, wait 24 hours after the first coat in normal atmospheric conditions.



References available at [www.volteco.com](http://www.volteco.com)

### CONSUMPTION AND YIELD

Consumption can vary based on absorption and irregularity of the surface.

With even surface conditions, consumption is approximately:

- 1.6-1.8 kg/m<sup>2</sup> for size 0.4 mm (consumption referred to two coats of product)
- 1.8-2.0 kg/m<sup>2</sup> for size 1.0 mm (consumption referred to one coat of product)
- 2.0-2.2 kg/m<sup>2</sup> for size 1.2 mm (consumption referred to one coat of product)
- 2.2-2.5 kg/m<sup>2</sup> for size 1.5 mm (consumption referred to one coat of product)

### PACKAGING AND STORAGE

CP0 is packed in 25 kg pails.

The product must be stored in a dry place without being exposed to frost and heat (maximum temperature: 40°C) or direct exposure to the sun before being applied.

Storage time 12 months.

### WARNINGS - IMPORTANT NOTES

In case of 0.4 mm CP0, first properly adjust the substrate in order to obtain the desired aesthetic result. Do not apply the product in direct sunlight.

The presence of wind during application limits the time for the application and finishing process of the product.

Do not apply the product to fresh and potentially alkaline surfaces.

If CP0 is applied in unsuitable ambient conditions, the curing times will be affected, thereby compromising the achievement of optimal aesthetics and performance characteristics.

In case of medium or strong colours, avoid wetting the application tools during application or spray the



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product with water in order not to alter the final chromatic consistency.

During the application phases, it is advisable to use tarps on the scaffolding to create shade and provide protection against sunlight, wind and any rain.

The final coating colour may vary slightly from that of the sample or the colour selected from the colour chart.

It is therefore recommended to always paint a test area before starting the actual job.

Minor variations do not constitute the right to make a claim.

With broad surfaces we recommend not using colours from different production batches in order to avoid even minimum differences in colour.

Finish the application of each portion on edges, string courses or in any case, in areas where it is not possible to see joint signs

CP0 completes the curing process over the course of 10-15 days in optimal ambient conditions, +20°C and 70% R.H.

When the application of CP0 is finished, rain, night condensation, fog or high humidity in general could cause white-ish, translucent streaking ("snail streaks").

This temporary phenomenon does not affect product performance and can be easily eliminated with pressure washing or waiting for the next rainfall.

For application in closed rooms, ventilate the room suitably.

If diffused salinity or efflorescence is removed, carefully assess the surface resistance and the cause of such phenomena.

Wash tools and equipment with water immediately after use.

The preparation and installation data refer to normal environmental conditions (temperature +20°C; relative humidity 60%).

## PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Values
Appearance	water-dispersed polymer-based pigmented paste
Application temperature	from +5°C to +30°C
Drying time	24 hrs (at +20°C and 65% U.R.)
Specific weight	> 1.6 kg/l
Available granulometry	0.4 mm 1.0 mm 1.2 mm 1.5 mm

Feature	Test method	Declared performance
Bond strength	UNI EN 1542	≥ 0.3 MPa
Capillary absorption	UNI EN 1062-3	$W = 0.079 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$ Class W3 (low permeability)
Water vapour permeability (equivalent thickness: Sd)	UNI EN 7783-2	$Sd \leq 0.6472$ Class V2 (average)
Thermal conductivity	UNI EN 1745	$\lambda_{10, \text{dry}} = 0.83 \text{ W/mK}$ (P = 50%) $\lambda_{10, \text{dry}} = 0.93 \text{ W/mK}$ (P = 90%)
Crack Bridging Ability (product only) for sizes 1.0 - 1.2 - 1.5	UNI EN 1062-7 (static method)	0.43 mm (Class A2 > 0,25 mm)
Crack Bridging Ability (CP1 + Flexonet mesh + CP0 pack)	UNI EN 1062-7 (static method)	1.51 mm (Class A4 > 1.25 mm)
Crack Bridging Ability (CP1 + Xnet mesh + CP0 pack)	UNI EN 1062-7 (static method)	0.7 mm (Class A3 > 0.5 mm)
Reaction to fire	UNI EN 13501-1	Euroclass F

Feature	Category	Test method	Declared performance
VOC content	CAT. C - BA paints for outside mineral support walls Maximum limit: 20 g/l	Directive 42/2004/EC	19 g/l

The quoted data are obtained in a laboratory at +20°C and 60% RH.

## SAFETY

Refer to the related Safety Data Sheet.



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	<b>VOLTECO S.p.a</b> Via delle Industrie, 47 - 31050 Ponzano Veneto (I)
<b>15</b> <b>DOP 0026</b> <b>EN 15824</b> <b>CP0</b> Outdoor and indoor plaster with organic binders.	
Water vapour permeability: Class V2	
Water absorption: Class W3	
Adhesion: $\geq 0.3$ MPa	
Thermal conductivity: ( $\lambda_{10,dry}$ ) 0.83 W/mK (value table; P = 50%)	
Durability: NPD	
Reaction to fire: Euroclass F	
Hazardous substances: See SDS	

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