



PX 505

DATA SHEET

Acrylic-siloxane filling finish



Exteriors



Plastic containers



Roller



Brush

Composition

PX 505 is an acrylic paint made from acrylic copolymers and special polysiloxanes in aqueous emulsion, graded aggregate, titanium dioxide, pigments and specific additives to give the product higher broad-spectrum protection against the growth of algae and mould species.

Supply

- Containers of 5 and 14 l
- Tints: a selection from our 365 A YEAR OF COLORS swatchbook

Use

PX 505 is used as a decorative and protective paint for exteriors, white or coloured, on both new and existing float-finished lime-cement finish coat renders, concrete, etc. It can also be applied on existing painted surfaces and coatings, as long as these are well attached, sound and not crumbling.

Substrate preparation

The surface being painted must be dry and free from dust, dirt, etc. Any traces of oils, fats, waxes, etc. must be removed beforehand.

If the surfaces are in a state of deterioration due to stains and various types of persistent dirt, before beginning the painting cycle, these should be treated with ACTIVE ONE solution for cleaning walls (see the datasheet). Depending on the state of deterioration, the cleaning treatment may be repeated, with the addition of mechanical brushing.

Any existing crumbling plasters or renders and/or old paint that is flaky or coming loose must be carefully removed mechanically, until obtaining a solid and compact substrate. Smooth over all the irregularities on the substrate and then apply MIKROS 001 primer in microemulsion with strong penetrating power or FA 249 primer for acrylic systems (see the datasheets). Smooth over the repaired surfaces by applying a layer of FX 526 pigmented undercoat.

For new applications of finish, skim coat and smooth coat plasters and renders, wait until these have completely cured before applying the primer to the surfaces. In general, the priming treatment is to be used on all substrates that feature differences in absorption and/or slight surface dusting.

Application

The product can be applied by brush or wool roller (preferably short-napped). Apply two layers (in opposite directions), at least 6 hours apart. Dilution by weight with water (referred to the white product): for application by brush, first layer up to 30% and second layer up to 20%.



Warnings

- Product recommended for expert users.
- Always consult the safety data sheet before use.
- Use water to clean tools.
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- The recipient/product must be disposed of in accordance with national laws.
- Acquire all the material required to finish the work of the same batch.
- Only apply on cured and dry plaster and never on alkaline substrates that modify the product's drying characteristics, its resistance to frost and rain and its colour development.
- Avoid application on facades in full sunlight or with strong winds.
- Do not apply at temperatures below +5°C or above +30°C and with a relative humidity higher than 75%
- Avoid applying the material on the same facade at different times.
- Do not apply on damp masonry and/or in the coldest periods of the year, as the plaster may detach and the paint may blister due to the accumulation of moisture inside.
- Do not apply when rising damp is present.
- Exterior façades coated with PX 505, during application and on the days after drying, must be protected against rain or other precipitation and high relative humidity in the atmosphere (fog) for at least 48-72 hours, to prevent phenomena such as "streaking", washing away, stains, colour alterations, etc.
- Given the large number of mould species and different climatic conditions, in some cases the additives used may not guarantee stopping the spread of certain plant micro organisms over time.
- All the particularly bright colours on the chart, marked with the ■ symbol, have lower hiding power than the other tints on the chart: a pigmented undercoat or with high hiding power must be applied beforehand. The appropriate undercoat colour is indicated in the ColorLife paint mixing program. For finishing, apply at least three coats of paint in the selected colour shade. You should perform a preliminary application test.
- the colours highlighted with the (■) symbol and made from the Medium, Extra Deep and Neutral bases, the maximum recommended dilution by weight is 15%.
- The colour shades marked with the symbol (*) in our Colour Chart contain organic dye: they are therefore potentially degradable, since they are sensitive to sunlight and to substrate alkalinity.
- Incorrect dilution of the material will affect product workability and cause a decline in its technical characteristics.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the natural raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different lots of the same material are used in the same job/site (this is however not recommended as per point 6 of these warnings).

PX 505 must only be used in its original state, without the addition of other materials, except for dilution with water.

Storage

Protect from frost. Store at temperatures above +5°C and below +35°C. If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

Quality

PX 505 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.



Technical Data	
Specific weight (EN ISO 2811-1)	approx. 1.47-1.57 kg/l (depending on the base colour)
Consumption (**)	150-200 g/m ² (0.10-0.13 l/m ²) per layer
Yield (**)	4-5 m ² /l for finished work (2 layers)
Can be painted over (20°C and 65% R.H.)	approx. 6 hours
Classification EN 1062-1	
Gloss (EN ISO 2813)	Class G3, matt (≤ 10 GU at 85°)
Dry film thickness (EN 1062-1)	Class E3 at an average consumption of 0.22 l/m ² (100 μm < E ≤ 200 μm)
Grading (ISO 787-7)	Class S2, medium (S < 300 μm)
Water vapour transmission rate (EN ISO 7783)	Class V2, medium 0.14 m ≤ Sd < 1.4 m
Liquid water permeability (EN 1062-3)	Class W3, low (W ≤ 0.1 kg/m ² ·h ^{1/2})
Crack bridging (EN 1062-7)	Class A0 (not pertinent)
Permeability to CO ₂ (EN 1062-6)	Class C0 (not pertinent)
(**) The consumption and yield values refer to the product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate, in relation to the chosen colour.	
EU limit value of VOC content (Directive 2004/42/EC)	Category A/c, WB: VOC maximum 40 g/l product VOC < 40 g/l

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.