

Highly breathable paint



Exteriors



Plastic containers



Roller



Brush

Composition

PS 403 is a water-based paint made from special water-based siloxane binders and acrylic copolymers in aqueous emulsion, fine graded aggregate, titanium dioxide and specific additives to improve application and expandability. Moreover, special molecules give the product higher broad-spectrum protection against the growth of algae and mould species.

Supply

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

Use

PS 403 is a breathable and decorative paint for exteriors with a mineral appearance. The nature of the raw materials used makes PS 403 suitable for application on any type of exterior finish coat render, especially on restoration systems (including dehumidifying systems) and when requiring high breathability, water repellency and good weatherproof properties.

Substrate preparation

The application surface must be free from dust and dirt. Any traces of oil, grease, wax 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 the FS 412 primer-undercoat diluted 1:1 with water.

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 of PA 403 by weight with water: for application by brush, first layer up to 30% and second layer up to 20%.

Warnings

- Product for professional use.
- Always read the safety datasheet before use.
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- Use water to clean tools.
- The recipient/product must be disposed of in accordance with national laws.
- Avoid application at temperatures below +5°C or above +30°C and with a relative humidity higher than 75%.
- Avoid application on surfaces in full sunlight or with strong winds.
- Only apply PS 403 on cured and dry plaster.
- To obtain a uniform effect on the wall, avoid using different application tools on the same facade, i.e. the roller to paint a surface and the brush for another one.
- Exterior façades coated with with PS 403, during application and on the days after drying, must be protected against rain or other precipitation and high relative humidity in the atmosphere (fog) to prevent phenomena such as "streaking", washing away, stains, colour alterations, etc.
- Use all the material necessary for the work from the same batch.
- Given the large number of mould species and different climatic conditions, in some cases the additives used may not guarantee complete disappearance or stop 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.
- Incorrect dilution of the material will affect product workability and cause a decline in its technical characteristics.
- The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions; the use of natural raw materials and tinting of the product may, for some supplies, lead to slight deviations in the reported values.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use for the specific work/site.

PS 403 must only be used in its original state, without the addition of other materials, except for dilution with water.

Storage

Protect from frost. If stored in a suitable environment, in its original packaging, the material has a shelf life of 12 months.

Quality

PS 403 is subjected to careful and constant testing in our laboratories. The raw materials used are rigorously selected and checked.

Technical Data

Specific weight (EN ISO 2811-1)	approx. 1.58 kg/l
Consumption (**)	160-200 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 G ₃ , matt (≤ 10 GU at 85°)
Dry film thickness (EN 1062-1)	Classe E ₂ at an average consumption of 0.19 l/m ² (50 µm < E ≤ 100 µm)
Dry film thickness at a recommended average consumption of 0.23 l/m ²	Class E ₃ (100 µm < E ≤ 200 µm)
Grading (ISO 787-7)	Class S ₁ , fine (S < 100 µm)
Water vapour transmission rate (EN ISO 7783)	Class V1, high (Sd < 0.14 m)
Liquid water permeability (EN 1062-3)	Class W ₃ , low (W ≤ 0.1 kg/m ² ·h ^{1/2})
Crack bridging (EN 1062-7)	Class A ₀ (not pertinent)
Permeability to CO ₂ (EN 1062-6)	Class C ₀ (not pertinent)
(**) The values refer to white 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.	
Valore limite UE per il contenuto di COV (Direttiva 2004/42/CE)	Category A/c, BA: VOC maximum 40 g/l (January 2010) 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". Our Technical Service can be contacted by email at area.tecnica@fassabortolo.com.

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