

SKIN 432

DATA SHEET

Protective siloxane finish



Exteriors



Plastic containers



Roller



Brush

Composition

SKIN 432 is a water-based paint made from the latest generation organic copolymers and enriched with special siloxane resins in aqueous emulsion, graded aggregates, titanium dioxide, pigments and specific additives to improve application and 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

SKIN 432 is used as a high-performance protective and decorative paint for exteriors, white or coloured, on both new and existing lime, lime-cement finish coat renders, concrete, etc. Excellent breathability and good water repellency ensure versatile application of the product, suitable for new substrates as well as on existing painted surfaces and coatings, as long as these are well attached, sound and not crumbling. The special formulation makes SKIN 432 especially suitable for treating façades insulated with external thermal insulation composite systems, over traditional thick coatings such as RSR 421, RTA 549 and RX 561. This treatment protects façades against dirt build-up when compared to traditional exterior finishes.

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 the FS 412 primer-undercoat diluted 1:1 with water. 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: first layer and any intermediate layers 15%. Finish layer to be diluted to 5-10% by weight, depending on the chosen colour. We recommend that you establish the best dilution percentage, by making a preliminary application test.

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 surfaces and/or in colder periods, as the coating may detach from the surface.
- Avoid application in the presence of rising damp.
- Exterior façades coated with SKIN 432, 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.
- Incorrect dilution of the material will affect product workability and cause a decline in its technical characteristics.
- Additional note regarding the product packaged in recycled plastic packaging, easily recognisable by the grey colour. The variability of the raw materials making up this type of packaging may mean that the mechanical strength and colour of the packaging is inconsistent. Therefore, pay the utmost care when transporting and handling the product. Store protected from frost and direct sunlight, at a temperature between +5°C and +35°C.
- The images and illustrations are purely indicative. The characteristics and qualities of the product specified on the datasheet remain unchanged, regardless of the external appearance of the container.
- 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).

SKIN 432 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 the current legislation.

Quality

SKIN 432 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. 1.52-1.56 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)
Dirt pick-up (UNI 10792)	$\Delta L \leq 3$, negligible
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)	Classe E2 at an average consumption of 0.19 l/m ² (50 μ m < E \leq 100 μ m)
Dry film thickness at a recommended average consumption of 0.23 l/m ²	Class E3 (100 μ m < E \leq 200 μ m)
Grading (EN ISO 1524)	Class S1, fine (S < 100 μ m)
Water vapour transmission rate (EN ISO 7783)	Class V1, high (Sd < 0.14 m)
Liquid water permeability (EN 1062-3)	Class W2, medium (0.1 kg/m ² ·h ^{1/2} < W \leq 0.5 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 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.	
Italian CAM Building Decree of 23 June 2022, published in the Italian Official Journal on 06/08/2022	Complies with the criteria: 2.5.13 paragraph b - Paints and varnishes
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.