



SKIN 432

Silicone Resin System



Protective siloxane finish for exteriors



Composition

SKIN 432 is a flat hydrophobic paint for exteriors made from special siloxane resins and new generation organic copolymers, graded aggregate, titanium dioxide, pigments and specific additives to increase the mould and algae resistance of the paint film (e.g. alternaria alternata, aspergillus niger, stichococcus bacillaris etc.).

Technical characteristics

Specific weight	approx. 1.55 kg/l
Consumption (*)	150-200 g/m ² per coat (0.10-0.13 l/m ²)
Yield (*)	about 4-5 m ² /l for finished job with two coats

(*) the consumption and yield values refer to the white product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate, also considering the colour shade chosen.

Classification according to EN 1062/-1

EN 1062/-1	G ₃	E ₃	S ₁	V ₂	W ₃	A ₀	C ₀
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Gloss (EN ISO 2813)	class G ₃ (<10, low sheen)
Dry film thickness (ISO 3233)	class E ₃ (100-200 µm)
Grading (EN ISO 787-18)	class S ₁ (<100 µm, fine)
Water vapour transmission rate (EN ISO 7783-2)	class V ₂ (V = 117 g/m ² 24 h, medium)
Liquid water permeability (EN 1062-3)	class W ₃ (W ₂₄ = 0.05 kg/m ² h ^{1/2} , low)
Crack bridging (EN 1062-7)	class A ₀ (not relevant)
CO ₂ permeability (EN 1062-6)	class C ₀ (not relevant)

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Further technical characteristics

Dirt deposits (UNI 10792)	$\Delta L < 3$, negligible
Resistance to washing (DIN 53778)	greater than 10000 cycles (SUPER-WASHABLE)
Water vapour diffusion resistance factor (EN ISO 7783-2)	$\mu = \text{approx. } 900$
Equivalent Air Layer Thickness (EN ISO 7783-2)	$S_d = \text{approx. } 0.18 \text{ m}$ (calculated with thickness $s = 2 \cdot 10^{-4} \text{ m}$)
Compliant with Italian leg. decree no.161 of 27/03/2006 (implementation of Directive 2004/42/EC): COV < 40g/l	

Use

SKIN 432 is used as white and coloured high performance decorative paint to be applied on exterior old and new finishing plasters based on lime, lime-cement, on concrete, etc.. The excellent water repellence and high breathability allow a versatile application of the product on both new surfaces and old paints or coatings, as long as these are intact and not loose or crumbling. Thanks to special molecules, which increase the mould and algae resistance of the paint film, SKIN 432 is particularly suitable for the treatment of walls with thermal insulation composite system. Furthermore, due to its unique formulation, the facades treated with SKIN 432 do not get dirty so easily as it may happen with the traditional finishes for exteriors.

Surface preparation

The surface being coated must be free of dust and dirt. Any traces of oil, grease, wax, etc. must be removed before using SKIN 432.

The paint must be applied on completely cured plaster (at least 28 days).

Crumbling or highly absorbent substrates must be treated with insulating acryl-silicone undercoat such as FS 412, diluted 1:1 with water. This treatment should always be performed when the surface being coated has significant differences in absorption (guide strips, trim around doors and windows, patches, etc.).

If applying on plaster patches, the patches must also be completely cured and suitably prepared, applying FX 526 pigmented undercoat by hand.

Application

Dilution by weight with water: first coat and any further intermediate coats 15%. Finishing coat to be diluted 5-10% by weight, depending on the selected colour. Apply the coats in opposite directions at least 8 hours apart. The product can be applied by brush or wool roller (preferably short napped). It is recommended to determine the best dilution percentage, by making a preliminary application test.

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Warnings

- Acquire all the material required to finish the job from the same batch.
- Only apply on cured and dry plaster and never on alkaline substrates that modify the product's drying characteristics, resistance to frost and rain and colour development.
- Do not apply on facades in full sunlight or with strong winds.
- Avoid application at temperatures below +5°C or above +30°C and with a relative humidity higher than 75% .
- Avoid applying the material on the same façade 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 facades treated with SKIN 432, during application and on the days after drying, must be protected against rain, precipitation and high atmospheric relative humidity (fog) for at least 48 hours as this may lead to phenomena of "streaking", stains, colour alterations, etc.
- Given the large number of mould species and the different climatic conditions, in some cases the additives used may not guarantee complete disappearance or stop the spread of certain micro-organisms of plant origin over time.
- **All the particularly bright colours** in our collection marked with the symbol ■ have a **lower hiding power** than the other shades included in it. It is therefore necessary to prepare the substrate applying a coat of the same finish product in white or a coat in a pastel shade with a higher hiding power. For finishing apply at least three paint coats in the selected colour shade. It is suggested to make a preliminary application test.

SKIN 432 should only be used in its original state, without the addition of other materials, except for dilution with water.

Supply

- Plastic containers of approx. 14 l
- Tints: see colour chart and "warnings" section.

Storage

Protect from frost.

If stored in a suitable environment and sealed in its original packaging, the material has a shelf life of 12 months.

Quality

SKIN 432 undergoes accurate and continuous checks in our laboratories. The raw materials used are carefully selected and checked. The above information refers to laboratory testing; it is possible that in practical applications on site it may differ according to the conditions in which the material is applied. The user must verify 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.

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