

ALCASIL

Rev.01/2019

DESCRIPTION

Mural paint formulated with potassium silicate, styrol-acrylate-copolymers, inorganic pigments, selected quartz and various quality additives that, applied on wall surfaces reacts with the mineral salts present in the plaster, with the carbon dioxide and air humidity, giving rise to the formation of an organosilicone lattice of considerable hardness.

These reactions give the product: an absence of film-forming and therefore no phenomenon of flaking, chipping or cracking over time, maximum breathability as moisture doesn't encounter any escape barrier, high resistance to algae and fungi, stability in light and bad weather, a characteristic appearance more or less marked by haloing and light and dark contrasts. It is important, however, that the wall to be decorated is free from plastic or washable exterior coatings, otherwise it would prevent the silicification reaction.

The surface to be coated must also be consistent, you should avoid fillings or patches made with plaster different from the existing one otherwise it could have unsightly "spots" due to the different reaction that the silicate paint will have with the various underlying primers.

USES

The product is suitable for coating all types of mineral surfaces except for gypsum, be it in the form of plaster, plasterboard, or prefabricated gypsum.

It is particularly suitable in all those cases where the attainment of an antique look is wanted, with high resistance and breathability similar to antique coloured plaster or lime paints.

PREPARING THE SURFACE

Make sure the surface is perfectly dry and well-seasoned, for at least 4-6 weeks (otherwise the calcic alkalinity of the surfaces prevents the penetration and adhesion of the paint), free of friable and oily residue, of pieces touched up with different cement than the main type, of saline efflorescence, of plants, and of bacterial colonies.

New and uniform walls: brush, dust and apply an impress coat with ALCASIL FISSATIVO.

Walls already painted with lime paint or silicates: sprinkle or brush to remove any flaking layers and then proceed as for new walls.

Walls painted with water-based paints, lime, with other paints of synthetic nature, plastic coatings: Brush and remove any loose parts, traces of dust and various oiliness. Apply one or two coats of diluted ALCASIL FONDO DI CONTATTO.

In the case of surfaces that are particularly flaky or that have been treated with mortars and/or plasters, before proceeding with finishing coats, wait for complete drying (15-30 days under optimal environmental conditions), then prime with appropriately diluted SOLVEX.

APPLICATION

Allow at least 10 hours from the impress coating and at least 10-12 hours between the first and the second coat of paint. Generally only one hand is enough to get good coverage with good colour uniformity, although it is always necessary to apply a second coat for optimal surface protection. By applying the second coat, aesthetically pleasing effects and haloing characteristics will be highlighted. These halos can re-size when applying a further coat of ALCASIL FISSATIVO between the first and second coat of paint.

It is not recommended to apply more than two coats of paint as the aesthetic halos would become burns.

Apply between temperatures of 5 and 30°C. Do not apply on surfaces that are in direct sunlight, hot or cold, thawing or at risk of ice, in the presence of strong wind, if rain is imminent or in the presence of high relative humidity. Applying to saline efflorescences or rising humidity results in a bad adhesion and colour evenness. It is therefore necessary to first remediate the surfaces. Treated surfaces must be protected for at least 48 hours from any atmospheric precipitation. Stir slightly and slowly before use and dilution.

DILUTION

Add 20-30% of water. If necessary, in order to avoid degrading the product, it is advisable to dilute with 15-20% of ALCASIL FISSATIVO.

TECHNICAL DATA

PRODUCT	Silicate-based paint
SPECIFIC WEIGHT	1.390 ± 0.050 kg/L
VISCOSITY	15000 ± 2000 Brookfield cPs at 23 °C.
GLOSS	Very opaque
COLOUR	White
	Only compatible with colouring pastes based on inorganic pigments (iron oxides, chromium oxides, etc.)
RECOMMENDED THICKNESSES	50-60 dry microns per coat
NUMBER OF COATS RECOMMENDED	2 coats
RE-COATING	10-12 hours
APPLICATION METHOD	Brush, roller
THEORETICAL YIELD:	4-5 sqm/l for 2 layers
DRYING TIME (at 23 ° C)	
Touch dry	1-2 hours
Deep dry	18-24 hours

CLEAN TOOLS

With water immediately after use.

STORAGE

Keep away from heat, in a cool and ventilated place, protected from chills.

The above technical knowledge regarding the application and the proper use of the products does not mean ALCAS ITALIA s.r.l. assumption of responsibility for the use and application of the products. Because of the unpredictable variability of operating conditions, the APPLICATOR must verify the use of the product under their own conditions with direct evidence. We reserve the right to change the contents of this document without prior notice. As soon as a new version of this data sheet is available, it will no longer be valid.