# ISOBELL BINDER

## Water-based potassium silicate anti-salt fixative primer

**TECHNICAL DATA SHEET** issue date: 14/10/2026 Rev.2

### PRODUCT DESCRIPTION

Transparent fixative primer based on potassium silicate, for deep consolidation of the substrate and reduction of surface salts.

### COMPOSITION

Modified potassium silicate and stabilising additives in aqueous solution with pH 11.

### APPLICATION CONDITIONS

Temperature: 8 - 30°C;
Relative humidity: max 80%

### APPEARANCE

Low-viscosity. milky, colourless liquid, fully soluble in water.




### DILUTION and pH

pH 11 . Ready to use DO NOT DILUTE

### CONSUMPTION

7-10 $m^2$/l depending on the porosity of the substrate.

Coverage may vary depending on the unevenness of the surfaces to be treated.

### DRYING

Through dry 24-48 hours
Recoating 8-10 hours

Data refer to 20° C and 65% R.H.; drying times depend closely on the conditions of moisture and temperature.

### STORAGE AND MIXING

Keeps for 36 months in the original, tightly closed containers stored indoors, away from direct sunlight, at a temperature between + 8° C and + 35° C. Protect from frost. Do not mix with other products. Any mixing alters the properties and quality of the product.

### PACKAGING

1 Litre - 6 containers in a cardboard box, 6 litres in total

### METHODS AND TOOLS

Apply by brush, roller or spray. Clean with water immediately after use.

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## USE

Base coat for the water-repellent, silicifying treatment of mineral substrates such as stone, masonry, concrete, old and new plaster, etc. Used as an insulating and anchoring sealer that penetrates deep into masonry, consolidating the surface while reducing absorption and salt concentration. Thanks to its high penetration into the substrate, chemical adhesion, water vapour permeability and a chemical composition physically similar to that of building materials, BINDER is also specifically used as a fixative-consolidant in restoring old façades.

It is recommended above all before applying the DAMP WALLS system with COMFORT LIME LIGHT adhesive/skim coat.

## APPLICATION

Dry clean, brush thoroughly and remove dust. Apply by roller, brush or spray depending on the surfaces to be consolidated. The number of coats depends on the absorbency, uniformity and structure of the substrate; it can be overcoated with any type of paint. BINDER is also used as a thinner for mineral paint. On new plaster, wait 4 weeks before applying the primer so that substrates are fully cured. Ideal for treating crumbly and/or dusty surfaces on interior and exterior walls. It is also an ideal adhesion promoter for coloured finishes based on potassium silicate.

Cannot be applied directly on organic paints (washable paints, solvent-based paints, etc.), which must be stripped before treatment. Never apply on gypsum, in direct sun, or on hot or wet walls. During application, mask areas not to be painted such as frames, doors, windows and floors, as silicates attack glass, metals, ceramics, enamels, paintwork, marble and granite. Never mix with other non-mineral paints.

Before overcoating, it is advisable to wait until the first coat is completely dry.

## WARNINGS

• Given the high alkalinity of the product, carefully cover all surfaces adjacent to the one to be painted, especially glass, ceramics, bricks, etc., to avoid damage.

• Do not apply in rain, threat of rain, on façades in direct sun (use sheeting on scaffolding) or in strong wind.
• Do not apply on wet or damp substrates with a concentration above 85%
• Do not apply on substrates treated with enamels or synthetic coatings
• Application on gypsum is not recommended.
• Do not apply on frozen or thawing substrates.
• The use of skilled labour is recommended.
• Use as supplied, without adding foreign materials.
• Only breathable mineral-based paints (silicates, lime) are recommended

The information and instructions above, although based on our best experience, are in all cases purely indicative and must be confirmed by thorough practical applications; therefore, before using the product, the user must establish whether it is suitable for the intended use and, in any case, assumes all liability arising from its use establish whether it is suitable for the intended use and, in any case, assumes all liability arising from its use establish whether it is suitable for the intended use and, in any case, assumes all liability arising from its use.

WATER-BASED

SOLVENT-FREE

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## SPECIFICATION TEXT

BINDER

Treatment of entire surfaces with BINDER, a consolidating anti-salt fixative primer for exteriors and interiors based on modified potassium silicate in aqueous solution; apply in one or two coats depending on substrate absorbency, with a coverage of 8-10 m /litre. Suitable for lime- and cement-based mineral plasters, as preparation for subsequent treatment with potassium silicate paints or coatings.

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SOLVENT-FREE

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