

Potassium silicate

Purely mineral binder (potassium silicate) · consolidates & evens out absorbent substrates by silicification · versatile

 Brush · Spray unit Application	 120–380 ml/m² Consumption (by absorbency)	 10 min–5 days depending on use*	 from +5 °C Application	 Water-thinnable mineral
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*Bond strength when laying tiles approx. 10 min; overcoating impregnated wood after 2–5 days.

CAIRCON Potassium silicate is a purely mineral binder for producing coatings and impregnations — a ready-to-use, concentrated, water-thinnable solution of potassium silicate. It consolidates mineral substrates by silicification, reduces and evens out absorbency and is excellently suited as substrate preparation before wallpapering and painting.

IMPORTANT — APPLICATION: Apply potassium silicate with a brush or a suitable spray unit; when spraying, do not breathe the spray mist. Do not apply below +5 °C (material and ambient air). Do NOT allow to enter the sewer system.

1 · PREPARE THE SUBSTRATE

1

Clean the substrate

The substrate must be clean, sound and free of grease. Remove old, poorly adhering coatings and loose render.

2 · USING POTASSIUM SILICATE

2

Thin & apply

Depending on absorbency, thin e.g. with two parts water and apply at a rate of approx. 120–380 ml/m². Apply with a brush or a suitable spray unit (do not breathe the spray mist).

3

Further uses

As an additive for lime paints (improves adhesion, wipe- and water-resistance); to preserve structural timber and reduce its flammability (overcoating usually after 2–5 days of drying); to bond tiles on walls and tiled stoves (bond strength after approx. 10 min); in the household for sealing vases and pottery as well as an adhesive for paper on metal and glass.

4

Clean the tools

Clean tools with water immediately after use.

NOT INTO THE SEWER SYSTEM: Do not allow potassium silicate to enter the sewer system. Protect surrounding surfaces and remove splashes immediately with water.

TROCKENZEITEN

10 min TILE BOND	2–5 days WOOD OVERCOATABLE	from +5 °C APPLICATION
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Actual drying times depend strongly on application, dilution and substrate.

Do not apply below +5 °C (material and ambient air).

PRODUCT DATA (GUIDE VALUES)

Base	potassium silicate solution (purely mineral), water-thinnable
Consumption	approx. 120–380 ml/m ² depending on the absorbency of the substrate
Thinning	e.g. with two parts water, depending on absorbency
Application area	consolidation/sealing of renders and masonry, stone protection, lime-paint additive, wood preservation, tile bonding
Application	brush or spray unit · not below +5 °C
Storage	store cool, frost-free and tightly closed

All data are non-binding guide values and depend on substrate, tool and ambient conditions — no assured properties.

RECOMMENDED COMPLEMENTARY PRODUCTS

Cleaning	Special cleaner · Etching solution
Tools	Paintbrush set · Floor roller

SAFETY & DISPOSAL

Labelling	no hazard pictograms · no signal word · no hazard statements — not subject to labelling under CLP
EUH210	Safety data sheet available on request.
P101 / P102	If medical advice is needed, have product container or label at hand. Keep out of reach of children.
Environment & disposal	Only give completely emptied containers for recycling. Dispose of material residues, whether as a solution or dried, under waste code 06 02 99 (wastes not otherwise specified) or as household waste. Do NOT allow to enter the sewer system.
Binding source	Label and safety data sheet CAIRCON Potassium silicate. Emergency: Poison Information Centre Erfurt, 24 h: +49 361 730730.