

2-Component silicate sealer

UZIN SC 1800 Finish

Silicate sealer for UZIN SC 993 cementitious coating and rapid drying cement screeds with UZIN SC 980 and UZIN SC 989

Areas of application:

Two-component silicate sealer for surface enhancement. Transparent and open to vapour diffusion, the sealer penetrates the surface and chemically bonds with the substrate. Improves the performance characteristics of UZIN SC 993 cementitious coating and rapid drying cement screeds with UZIN SC 980 and UZIN SC 989. For interior applications.

Main area of application:

- ▶ for heavy duty requirements in commercial and industrial areas
- ▶ less dirt prone
- ▶ improves cleaning properties

Extended area of application:

- ▶ increases resistance against water
- ▶ increases resistance against fuels and lubricants
- ▶ increases resistance against road salt

Suitable for / on:

- ▶ surfaces, where decorative or aesthetic aspects are a secondary consideration
- ▶ UZIN SC 993 cementitious coating
- ▶ UZIN SC 980 rapid drying cement screed
- ▶ UZIN SC 989 rapid drying cement screed

Product benefits / features:

UZIN SC 1800 Finish provides an extremely reliable seal on UZIN SC 993, UZIN SC 980 and UZIN SC 989. Cleaning intervals can be extended and the cleaning intensity reduced. Resistance against the effects of water, road salt, fuels and lubricants is increased.



Composition:

Component A: Water, potassium silicate, additives.

Component B: Polymer dispersion, water, additives, mineral aggregates

- ▶ Easy to apply
- ▶ Good penetration capacity
- ▶ Quick drying
- ▶ Open to vapour diffusion
- ▶ Reduced tendency to soil
- ▶ Improved cleaning capability
- ▶ For high mechanical loads

Technical data:

Packaging:	Plastic combination pack
Pack sizes:	A / B 2.5 kg
Shelf life:	min. 6 months
Colour liquid / dry:	white / transparent
Consumption:	approx. 50 g/m ² per coat
Working temperature:	min. 15 °C at ground level (min. 3 °C above the dew point)
Mixing ratio:	A : B = 4 : 1 parts by weight
Working time:	approx. 60 minutes (see "Important notes")
Ready for load-bearing:	after approx. 24 hours*
Drying time:	(see "Application table")

* At 20 °C and 65 % relative humidity.

Substrate preparation:

The substrate must be firm, load-bearing, dry, free of cracks, clean and free of materials interfering with bonding (dirt, oil, grease). Before applying UZIN SC 1800 Finish screeds with UZIN SC 980/UZIN SC 989 and UZIN SC 993 must be sanded and vacuumed. Test the substrate in accordance with applicable standards or notices and report any deficiencies.

The product data sheets of the other products used must be observed.

Application:

1. UZIN SC 1800 Finish (component A : B = 4 : 1) Allow to reach room temperature. Always mix with an electric hand mixer. Add content of component B while mixing continuously into the container of component A and stir thoroughly. Then stir for a second time for at least 2 minutes. Ensure the components are well mixed before installing.
2. Transfer the mixed silicate seal into a separate container. Stir thoroughly once again. **Do not mix partial quantities.**
3. Spread a thin coat of sealer with suitable application roller (e.g. with the UZIN Microfibre-roller) on the clean and dry substrate. Then apply a thin second coat using cross strokes. If necessary use a wipe off grid to remove excess sealer from the roller.
4. Remove fresh contamination with UZIN Clean-Box wipes. Contaminations can be removed only mechanically when cured.

Application table:

Substrate	Drying time per coat	Consumption
UZIN SC 993 UZIN SC 980 UZIN SC 989	1 – 2 hours*	approx. 50 g/m ² per coat

* At 20 °C and 65 % relative humidity.

Important notes:

- ▶ Shelf life at least 6 months in original packaging when stored in moderately cool conditions.
- ▶ Best processing temperature from 15 °C to 25 °C, floor temperature at least 15 °C and at least 3 °C above dew point.
- ▶ 2 coats are required for best results.
- ▶ Mixed material must be applied within the pot life of approx. 60 minutes. **The end of the pot life is not visible!**
- ▶ Protect UZIN SC 1800 Finish at least 7 days against water and moisture.
- ▶ Avoid direct exposure to light and switch off underfloor heating during installation.
- ▶ Please note: Avoid contamination with liquids and water when installing. Even a small amount may cause spotting.
- ▶ Roller traces and overlaps cannot be completely avoided.
- ▶ The different shades of the cementitious substrates may be emphasised through application of the silicate sealer.
- ▶ Subsequent installation of paint coats, markings, adhesives or adhesive tapes may cause permanent discolouration and damages.
- ▶ Does not provide resistance to rubber tyres.
- ▶ On highly absorbent substrates the consumption can be increase.
- ▶ Use of alkaline basic cleaners shall be avoided during the first 6 months.
- ▶ Initial care: The first wet cleaning can be made at the earliest after 7 days. Waste water must be vacuum and puddles have to be avoid. Dont use cleaning agents, which are film-forming.
- ▶ Current cleaning: Use only neutral cleaning agents:

Protection of the Workplace and the Environment:

Solvent-free. Non flammable.

Comp. A: Contains Potassium silicate. Causes serious eye damage. Causes skin irritation.
Comp. B: Requires no special protection or precautions in general use.

Wear protective gloves and safety-goggles. Use of barrier cream and ventilation of the work area are recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Observe safety information on product label as well as safety data sheet.

Disposal:

Where possible, collect product residues and re-use. Do not empty into drains, sewers or ground. Empty, scraped and drip-free plastic containers are recyclable. Liquid residues as well as containers with liquid residues are special waste, those with mixed and cured residues are Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.