



GEKKKOSOL PAINT

Technical Data Sheet 142

■ GENERAL

GekkkoSOL Paint is a one-component, white silicate-based paint made of purely mineral filler materials, pigments and binders.

GekkkoSOL Paint is especially recommended for the renovation of old synthetic-based emulsion paints.

GekkkoSOL Paint is based on a mixture of waterglasses. The special composition and combination of these waterglasses make for an enormously broad spectrum of application, particularly with regards to a purely mineral-based paint.

The binding agent in GekkkoSOL is silicon dioxide (quartz) diluted in water. It has a specific surface of 500m² per gram. This extremely large surface results in enormously high adhesion forces effective on almost every surface. This binder has already been in use for centuries in the clarification of wine and grape juice.

GekkkoSOL was named after the gecko which, with the millions of fine, little hairs on its feet, can adhere to the smoothest of surfaces even when upside down.

■ APPROPRIATE SUBSTRATES

GekkkoSOL Paint is suitable for interior use as new and renovation coatings on many different surfaces:

- **Very firmly fixed old synthetic-based coatings, especially emulsion paints. Use on latex paints only after trial coating with good results!**
- Gypsum-, lime-based gypsum-, lime-based cement- and lime plasters
- Plasterboards and drywalls (exception: Rigidur H)
- Old lacquers
- Concrete

On new lime-based plasters, renders and paints, wait at least 4 weeks before repainting with GekkkoSOL Paint.

■ PROPERTIES

- Very good coverage / opacity
- Ready to use
- One-component paint
- Colour: white
- Smooth

- Purely mineral
- Excellent adhesive ability to a multitude of surfaces
- Resistant to acids, bases and many solvents
- Highly diffusible
- Resistant to splash water
- Fungi-retardant because of alkalinity
- Contains no organic binders
- Density: approx. 1.75 kg/Litre

■ INGREDIENTS (FULL DECLARATION)

Waterglasses, silicon minerals, chalk, talcum, titanium dioxide, soda, xanthene, water, cellulose, preservative for citrus fruits.

■ PREPARATIONS

The surface must be solid, clean, dry, free of dust, fat and striking-through or colouring substances.

- Old distemper and other chalky surfaces or surfaces of poor wearing quality have to be washed off. Remove residues of wallpaper glue.
- Thoroughly brush sanding surfaces.
- Dedust surfaces thoroughly.
- Roughen synthetic or lacquered surfaces by sanding.
- Check old coatings for good adhesion, remove if necessary.
- Remove residues of molding oil on concrete surfaces.
- Remove loose parts of rabbets and brickwork and repair with similar material.
- Striking-through or colouring substances on the surface must be blocked with Shellac-Shielding Primer (Art. 234) before application or after 1st coating.
- Wood, chipboards, plywood and hardboard are unsuitable surfaces.
- Clean fungi affected mineral surfaces with soda.
- Strongly absorbing plaster surfaces (perform wettability test) e.g. plasters, slightly sanding surfaces must be primed with Waterglass (Art. 600, diluted 1:1 with water). Gypsum plasters and plasters with areas levelled out with gypsum require priming with Casein Primer (Art. 145). Wait approx. 12 hrs. before commencing with the next step.





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Technical Data Sheet 142

■ SEQUENCE OF COATINGS / DILUTION

1. Fine elutriation, on bright surfaces:
1 x Gekkkosol Paint diluted with up to approx. 10% Gekkkosol Thinner to adjust to the absorbency of the surface (if necessary).
2. Strong elutriation, on dark surfaces:
1 x Gekkkosol Paint diluted with approx. 10% Gekkkosol Thinner (if necessary),
1 x Gekkkosol Paint undiluted or diluted with max. 10% Gekkkosol Thinner.

A top coating with all Tockay wall paints and lazures is possible.

■ APPLICATION

Gekkkosol Paint is to be applied by a paint brush or a roller with short fibres (1.5 cm fibre length). On all strongly absorbing surfaces like lime-based cement plaster and gypsum plaster a dilution of approx. 10% Gekkkosol Thinner is recommended.

Gekkkosol Paint has a very good opacity and must be applied very thinly. Too thick layers of paint might lead to cracks.

■ TINTING

Up to 10 % Tockay mineral pigments may be used for tinting. Iron oxide pigments up to only 5 %. Stronger tinting upon consultation and approval of Tockay. Before mixing, the pigments should be elutriated with Gekkkosol Thinner. A stronger tinting can be achieved with a top coat of Tockay Full Colour Paints.

■ FORMAT

Ready to use in plastic buckets:

- Art. 142.0.....1 L (up to 8 m²/90 sq.ft.)
- Art. 142.1.....5 L (up to 40 m²/450 sq.ft.)
- Art. 142.2.....10 L (up to 80 m²/880 sq.ft.)

■ YIELD AND DRYING TIME

Approx. 0.125 l/m² (0.01 l / ft²) Gekkkosol Paint per coating on even surfaces.

Yield may increase significantly on very rough surfaces.

- Drying time: 12 hours

■ CLEANING OF TOOLS

Clean with water immediately after use. If necessary, use Marseille soap.

■ STORAGE

Unopened buckets of Gekkkosol Paint can be kept at least 12 months if stored cool, airtight and above zero degrees centigrade.

Do not store above 25°C.

Seal used containers airtight. Put foil on leftover paint to prevent drying. Remove residues from cover and rim of container before closing.

■ DISPOSAL OF RESIDUES

Do not dispose of residues in the sink. Dried residues can be disposed of with normal household litter.

■ HAZARD CLASSIFICATION

Not applicable, non-hazardous product.

■ SAFETY ADVICE / NOTES

Wear protective glasses/gloves. In case of contact with skin or eyes, wash under running water. If symptoms persist (especially eyes) see a doctor.

Protect all other surfaces from splashes. Remove splashes immediately with water. Splashes may result in irremovable stains. Consider possible allergies to natural substances. Gekkkosol Paint must be thinned neither with paint waterglass nor with water. Use only Gekkkosol Thinner.

Keep out of reach of children.

To thin down Gekkkosol Paint, use only:

GEKKKOSOL THINNER

■ INGREDIENTS (FULL DECLARATION)

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Technical Data Sheet 142

the pigments should be elutriated with GekkkoSOL Thinner.

A stronger tinting can be achieved with a topcoat of Tockay Casein Full Colour Paints.

■ PACKAGE SIZES

Ready to use in PE-bottles
Art. 137..... 1 Litre

■ CLEANING TOOLS

Clean with water immediately after use.

■ STORAGE

GekkkoSOL Thinner can be kept at least twelve months if stored airtight and above zero degrees centigrade.

■ DISPOSAL OF RESIDUES

Do not dispose of residues in the sink. Dried residues can be disposed of with normal household litter.

■ HAZARD CLASSIFICATION

Not applicable, non-hazardous product.

■ SAFETY ADVICE / NOTES

Wear protective glasses/gloves. In case of contact with skin or eyes, wash under running water. If symptoms persist (especially eyes) see a doctor.

Protect all other surfaces from splashes. Remove splashes immediately with water. Splashes may result in irremovable stains. Consider possible allergies to natural sub-stances.

GekkkoSOL FINE grain and COARSE grain must be thinned neither with paint waterglasses nor with water. Use only GekkkoSOL Thinner.

Keep out of reach of children.

The above information has been compiled in accordance with the best of our experience and knowledge. Owing to the application methods and environmental influences, as well as the various surface properties, no liabilities or legalities pertaining to the individual recommendations can be entertained. Prior to application, the suitability of the product is to be tested (trial coat). The validity of the text ceases with revisions or product modifications.

You will find the latest product information at: www.tockay.com or www.kreidezeit.de

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