



TECHNICAL DATA SHEET

KEIM NOVOSIL

1. PRODUCT DESCRIPTION

Silicate-based renovation paint, ready for painting, with preventive protective finish against algae and mould infestation. Renovation paint with lightfast inorganic pigments and mineral fillers.

2. FIELD OF APPLICATION

Renovation paint for renders on external thermal insulation composite systems (keep to \geq HBW 30).

Not suitable for:
horizontal and inclined surfaces exposed to weathering

3. PRODUCT PROPERTIES

- especially economical
- easy to paint
- mineral matt
- permeable
- highly water-repellent
- absolutely lightfast
- absolutely UV-resistant
- resistant against industrial emissions
- fire behaviour: non-flammable
- anti-funghi and anti-algae, with additional film protection

MATERIAL CHARACTERISTICS:

- Density: approx. 1.5 - 1.7 g/cm³
- Organic content: $\leq 5\%$

CLASSIFICATION:

- Classification according to: DIN EN 1062-1
- Diffusion-equivalent air layer thickness (sd-value): $\leq 0,02$ m
- Diffusion-equivalent air layer thickness class: V1
- Test standard Diffusion equivalent air layer thickness: DIN EN ISO 7783
- Water permeability: $< 0,1$ kg/(m²√h)
- Water permeability rate class: W3
- Test standard Water permeability rate: DIN EN 1062-3
- Gloss level at 85°: matt
- Test standard Gloss level: ISO 2813

COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. Only factory tinting possible. Not available in monochrome shades/full tone colours.

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be dry, sound, free from chalking, clean and dust-free. Loose parts of existing coatings have to be removed by suitable means. Defective areas must be filled and texture-matched with a suitable repair material. Any sinter layer on new renders must be removed with KEIM Ätzflüssigkeit (lime remover) according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Ätzflüssigkeit (lime remover) according to the specifications in the Technical Data Sheet. Algae, fungi or lichens must be removed professionally, thoroughly and without residues. After cleaning and drying of the surface, KEIM Algicid-Plus is used for disinfection. After a reaction time of at least 24 hours, the treated disinfected surface can be refinished. Prime highly absorbent or sanding mineral surfaces with KEIM Spezial-Fixativ. However, highly absorbing or sanding organic surfaces should be primed with KEIM Indulaqua. For repaired substrates and substrates with structural differences or hairline cracks, perform the base coat with the higher filled KEIM Soldalit-Grob instead of KEIM Novosil.

APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 5 °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

PREPARATION OF MATERIAL:

Stir up KEIM Novosil thoroughly before application.

APPLICATION:

KEIM Novosil can be painted, rolled or airless sprayed (nozzle: ≥ 435).

Primer coat: Apply KEIM Novosil in the normal case undiluted or depending on the absorbency of the substrate, diluted up to max. 5 % with KEIM Spezial-Fixativ.

Final coat: Apply KEIM Novosil undiluted.

CONSUMPTION:

approx. 0,30 l/m² for two coatings.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
15	l	24	bucket
5	l	70	bucket
2.5	l	80	bucket

6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

STORAGE INFORMATION:

Material residues from opened containers should be refilled into smaller containers to keep the air space in the bucket as low as possible.

7. DISPOSAL

For disposal information refer to section 13 of the safety data sheet.

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

9. GENERAL INFORMATION

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.
Mixing with products not part of the system or other foreign additives is not permitted.

10. CERTIFICATES & QUALITY SEALS



The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.