

KEIM SOLDALAN ME

Product Description

KEIM SOLDALAN ME is a sol silicate photocatalytic exterior mineral paint.

KEIM SOLDALAN ME is a highly specialized mineral paint system based on a binding agent combination of silica sol and potassium silicate, for use on exterior surfaces. This combination allows the application of mineral coatings not only onto mineral, but also on a variety of previously painted surfaces directly without the use of any stabilizing agents.

Offers water repellency, vapour permeability and forms a chemical crystalline bond with the substrate. KEIM SOLDALAN ME is made using pure inorganic mineral fillers, earth oxide colour pigments, potassium silicate and silica sol binders.

Photocatalytic paint uses light energy to neutralize pollution, the catalyst is not used up in the reaction and will continue to react for the life of the paint. The reaction converts Nitrogen Oxides and other harmful pollutants including formaldehyde and acetaldehyde into harmless nitrates.

Field of application

For all mineral, absorbent surfaces, in particular suitable for restoration coatings on repaired and stripped surfaces, suitable for application onto previously painted surfaces.

Product properties

Binder: combination of silica sol and water glass (sol-silicate)

- Multipurpose application
- Photocatalytic action
- Reduces toxic gases (e.g. NO_x, VOCs) and organic pollutants
- UV and acid resistant, anti static
- High weathering resistance
- Alkaline
- Non flammable
- Lightfast
- Mineral matt
- Water vapour permeable, non film forming, and microporous
- Highly water repellent
- No solvents and plasticizers added
- Resists algal and fungal growth

Material characteristics

Specific Weight :	approx. 1.6g/cm ³
pH value :	approx. 11
Colour fastness :	A1

According to Din EN 1062-1

Water vapour diffusion density :	$V \geq 2000\text{g/m}^2\text{d}$
Diffusion-equivalent air layer thickness:	$s_d \leq 0.01\text{m}$
Water permeability rate (24 h) :	$w < 0.1\text{kg}/(\text{m}^2 \text{h}^{0.5})$
Gloss at 85° :	1.5

Colour shades

White and in accordance with the Keim Exclusiv and Keim Avantgarde swatches, with specials available. No monochrome shades available.

Application instructions

Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using Keim Mineral Paints may proceed.

Highly absorbent or friable substrates should be treated with Keim Soldalan Fixativ.

Application

KEIM SOLDALAN ME should be applied as a 2 coat undiluted system. KEIM SOLDALAN ME can be applied by brush, roller, or air-less spray with a minimum period of 12 hours between coats.

Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

Consumption

Approx. 0.45kg/m² KEIM SOLDALAN ME and 0.01 l/m² Keim Soldalan Fixativ.

Consumption rates are offered for guideline purposes only and are quoted for smooth rendered surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

Cleaning of tools

Clean immediately after use with water

Packaging

5 and 25 kg containers

Storage

Approx. 12 months, if kept cool, but frost free in tightly closed containers.

Disposal

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

Safety instructions

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children.

Refer to COSHH data sheet

Remarks

The current data sheet replaces any previous version.

Our advice and information are given in good faith and depending on the latest developments of our products. We guarantee the consistent quality of our products, but do not accept any liability concerning their application. In any case, we do recommend to consider the type of substrate and the climatic conditions before applying our products or to apply a test surface in order to analyze the suitability of the product for the given substrate. In case of doubt regarding the substrate, consult our technical service department.