

KEIM BIOSIL®

HEALTHY PAINT FOR HEALTHY ROOMS

FOR MORE QUALITY IN LIFE AND LIVING

Air is what we breathe. But it can also contain problematic substances especially in interior settings. The mineral interior paint KEIM Biosil consists of purely natural raw materials and contains no systemic harmful substances. It is ideal particularly for sensitive environments such as hospitals, nurseries or schools and lets everyone breathe deeply, including allergy sufferers.

SILICATE PAINT FOR HEALTHY HOMES



NATURAL MINERAL PAINT FOR ROOM AIR WITH LOW HARMFUL SUBSTANCES

The construction industry has standards for fire safety, soundproofing, thermal insulation and almost everything else, but not for protecting the health of the occupants. And yet all of us spend on average 21 hours a day in closed rooms! Whether we feel good in these rooms depends essentially on the room climate and on air quality. Room air that contains harmful substances not only makes it unpleasant to stay in the room but is also harmful to our health. Doctors are worried that more and more people are showing allergic reactions to more and more substances. Children are particularly affected because they react with far greater sensitivity than adults.

HEALTHY BUILDING AND LIVING

Healthy, ecological building begins by choosing the right construction materials. Here the mineral interior paint KEIM Biosil scores with its positive properties. It consists of purely natural raw materials: potassium silicate, mineral pigments and fillers, with no problematic substances, and is made without using solvents, plasticisers or preservatives. Furthermore, the mineral interior paint has high vapour permeability. KEIM Biosil keeps you on the safe side!

SUITABLE FOR ALLERGY SUFFERERS

KEIM Biosil is verifiably suitable particularly for allergy sufferers and has been awarded the seal „Allergiker geeignet“ (suitable for allergy sufferers) from the Institute for Environment and Health (IUG). Moreover, KEIM Biosil was the very first interior wall paint to receive the „natureplus“ quality mark. It makes far more stringent requirements for construction products than the „Blue Angel“ mark and provides independent confirmation of outstanding ecological quality. Biosil's excellent environmental profile has also been confirmed by the International Association for Sustainable Building and Living. KEIM Biosil is also registered with the German Sustainable Building Council (DGNB). Regular audits by independent institutes confirm product safety.



KEIM BIOSIL® IS PURE NATURE – AS A MATTER OF PRINCIPLE



VAPOUR PERMEABILITY AS A MATTER OF PRINCIPLE

KEIM Biosil only contains components that are harmless to human health and to the environment. That's a matter of principle: the silicate principle of silification. The binding agent undergoes a chemical reaction that entails forming a permanent bond with the substrate, thus retaining high vapour permeability. Figuratively speaking, walls can „breathe“ and remain dry on the surface even when exposed to high levels of moisture – essential for a healthy atmosphere in living areas and particularly important for avoiding mould damage.

NON-TOXIC MOULD PREVENTION

In this day and age of constantly rising heating costs and calls to save energy, mould has become the number one problem in interior settings. Highly insulating construction materials, multiple glazing and reduced ventilation are all factors which contribute to an increased risk of mould growth and so to greater health risks for the occupants. The vapour permeability of mineral paints warrants that moisture does not collect

on the wall surface but passes unhindered through the coat of paint into the wall where it is stored and subsequently released again. Walls painted with KEIM Biosil remain permeable and dry even when exposed to high levels of moisture. This is important for a healthy room climate and crucial for preventing mould. The alkalinity which is typical of silicates also inhibits mould growth. Mould is thus deprived of all its prerequisites for growth even without any addition of toxic biocides or fungicides. This has huge advantages for sensitive people such as children or allergy sufferers.

FOGGING – NO THANKS!

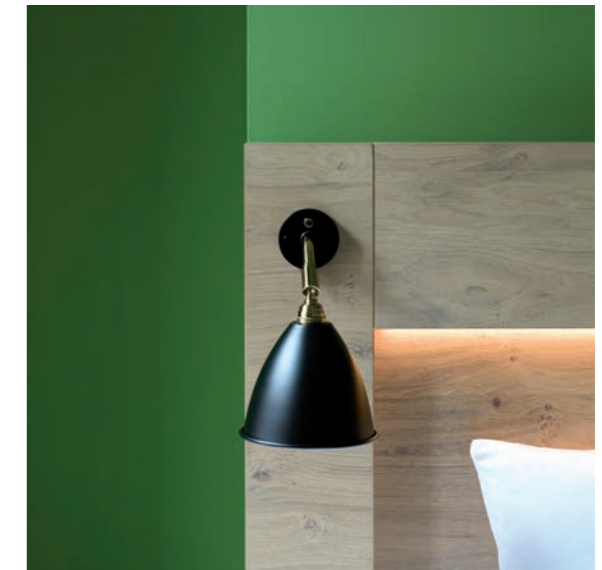
Fogging refers to the dark deposits that occur above radiators or in the corners of rooms, consisting of household dust and low-volatility organic compounds (e.g. plasticisers) which evaporate out of paints, flooring or furniture. KEIM Biosil offers effective fogging prevention, because it contains no plasticisers and therefore no substances which contribute to fogging.

RELIABLY NON-FLAMMABLE

KEIM Biosil keeps you safe even in the event of a fire. A coat of mineral Biosil paint does not ignite and, what's just as important, it does not release any potentially fatal toxic combustion gases.

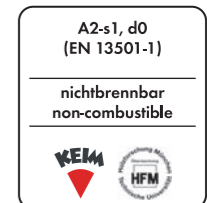
AESTHETIC APPEARANCE

KEIM Biosil combines an intriguing range of natural colour shades with the velvety-matt appearance of mineral paint and creates a cosy atmosphere in any room. Whether bright colours or muted shades, in living rooms, bedrooms or offices, in nurseries, schools or hospitals, walls painted with KEIM Biosil always feel pleasantly natural with a comforting feeling of safety.



SUMMARY OF THE MAIN POINTS

- Naturally healthy
- Suitable for allergy sufferers
- No preservatives, solvents or plasticisers added
- Mineral matt and vapour permeable
- Mould repellent
- No fogging
- Non-flammable
- Certified „natureplus“
- Cradle to Cradle Certified®



SUBSTRATE	APPLICATION RECOMMENDATION
Absorbent mineral substrate: lime plaster, lime cement plaster, lime gypsum plaster, concrete etc.	Suitable
Pure gypsum plaster	Not recommended
Clay plaster	Suitable. Should be primed with KEIM Spezial-Fixativ diluted 1:1 with water, before applying the coating.
Woodchip wallpaper, fleece	Suitable. Highly absorbent fleece substrates should be primed with KEIM Soliprim before applying the coating.
Old coatings, mineral	Suitable
Old coatings, organic	Suitable. Obtain application advice for gloss latex.
Coatings on plasterboard and gypsum fibreboards	Suitable. Should be primed with KEIM Grundierweiß before applying KEIM Biosil white. Obtain application advice for special requirements (e.g. Q4 surfaces, streaky light, particularly saturated colour shades).
Coatings on substrate with highly differing absorption	Suitable. Should be primed with KEIM Soliprim before applying the coating.



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