



KEIM. THE CRAFT OF PRODUCING PAINT

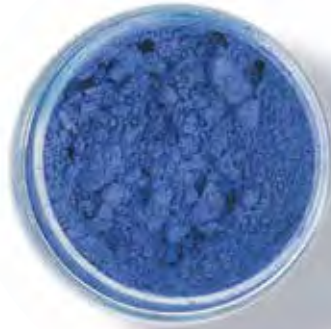
FOR LASTING VALUES



ECOLOGICAL



DURABLE



COLOUR-STABLE



MINERAL



SUSTAINABLE

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VAPOUR PERMEABLE



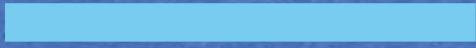
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THE BEST PAINTS IN THE WORLD

KEIM: home for the craft of producing paint, with craftsmen who are absolutely convinced by what they do. As leading specialists for mineral building protection systems, we develop and produce solutions for building exteriors and interiors. Our mission: to produce the most natural, brilliant, healthy and durable paints, in other words, the best paints in the world.

PAINTS
WITH
TRADITION





KEIM. THE ORIGINAL.

UNRIVALLED SERVICE LIFE AND COLOUR BRILLIANCE FOR GENERATIONS.

WHAT THE KING WANTED

None other than King Ludwig I of Bavaria was the catalyst for the intensive research activities pursued by Adolf Wilhelm Keim (1851 - 1913), a trained potter and chemistry student from Munich. The king longed to experience brilliantly colourful Italian lime fresco work in his own kingdom in Bavaria. But the much cooler, damper climate in Bavaria proved to be a problem.

WHO INVENTED IT?

Based on research by the great poet and impassioned scientist Johann Wolfgang von Goethe, Keim was fascinated by the chemistry of mineral pigments and binding agents and how to make a paint that looks like lime but is as indestructible as stone. Eventually, the inventor succeeded in developing a binding agent made of liquid potassium silicate: this was the groundbreaking invention of the silification principle, forming a permanent chemical bond between paint and masonry. In 1878 he received the imperial patent for his mineral paints, setting new standards in terms of durability, colour intensity and light reflection. Thanks to the right combination of liquid potassium silicate and inorganic colour pigments, A. W. Keim laid the cornerstone for a very special company history.

BETWEEN TRADITION AND INNOVATION

Out of deep conviction and bridging the gap between tradition and innovation, KEIMFARBEN continues to develop and produce exclusively mineral products and systems right through to the present day. Mineral paints by KEIM are a constant feature in architectural history of the 20th and 21st century: from the Historicist Movement via Art Nouveau and Bauhaus through to today's spectacular deconstructivist buildings. They have inspired generations of renowned architects, craftsmen and artists, and are used wherever high demands are made of both architecture and paint in terms of aesthetic appeal, health aspects and construction physics.



The world's best paint for the world's best architecture.
Architectural icon Sydney Opera House by Jørn Utzon.

SUSTAINABILITY AND RESPONSIBILITY

Adolf Wilhelm Keim felt an obligation to sustainability long before it had become a catchword. Up until today this premise shapes the way we think and do business way beyond the innovative use of natural raw materials, by creating regional jobs, showing due appreciation for our employees and being careful in the way we handle our limited resources.

We see ourselves as pioneers in mineral building protection systems, with expertise, experience and passion. Our range of products and services meanwhile extends far beyond the pure and simple coating product: mineral renders and fillers, wood systems, products for concrete renovation and repair, thermal insulation systems for interior and exterior use and also natural stone systems round off the product portfolio.

“We want to live, work, struggle, fight and take care of our fellow human beings, working for the generations to come, to make things better on earth.” A.W. Keim

We have remained consistently true to this vision of our company founder for 140 years. From company headquarters in Diedorf near Augsburg and the production site in Luckau/Brandenburg, we send our products out into all the world. With great success!

FOR 140 YEARS, KEIM HAS BEEN WORKING AT ADVANCING THE MINERAL ADDED VALUE:

KEIM Purkristalat®

In 1878, A.W. Keim developed the first silicate paint fit for practical usage. It consists of a powder component with mineral colour pigments and fillers, together with a liquid component: potassium silicate as the binding agent.

KEIM Soldalit®

In 2002, the development of “sol-silicate paint” revolutionised the facade market. Based on a completely novel binding principle, it opens the doors for application on practically all usual substrates.

KEIM PPF®-Technology

Ten years of development have gone into the KEIM PigmentPowderFluids (PPF), revolutionising KEIM’s powder tinting process in 2019. For the first time, decentralised tinting is possible with the fluidised powder pigments in the “KEIM Local Colour Studios”. What’s more, the unique KEIM quality criteria remain absolutely unchanged!



KEIM Granital®

The second generation of silicate paints followed in 1962 with KEIM Granital®. The one-component, ready-to-use “silicate emulsion paint” is easier to handle and safer to use ..

KEIM Lignosil®

Following many years of development work and corresponding practical tests, 2013 saw the launch of KEIM Lignosil®, the world’s first mineral composite coating for protecting wood from the effects of the weather.

KEIM Twinstar®

Market launch of the first 2-in-1 coating. Thanks to the consistency and optimum drying characteristics of KEIM Twinstar, base and top coat can now be applied together wet-in-wet, with no drying time in between.



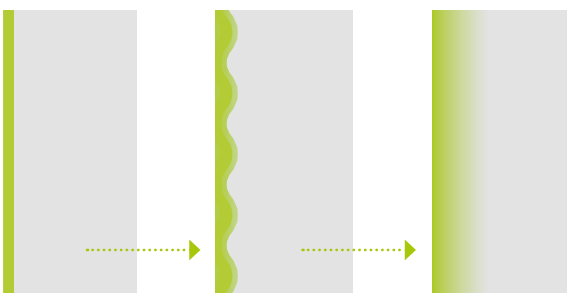
PAINTS
FOR
LASTING
VALUES



CONSISTENTLY MINERAL

When you build or renovate a house, you think and count in decades. This applies to both – the facade, with its important role as aesthetic weather shell when it comes to value preservation – and also to the interior. Mineral paints have been the benchmark for generations and still haven't lost any of their relevance. They owe their unrivalled durability to the unique adhesion principle of silification, a process that forms a permanent bond between paint and mineral substrate render. This guarantees maximum weather resistance and value preservation, ruling out any risk of flaking paint. Of course mineral paints are not completely immune to ageing, but this takes the positive form of a patina that simply serves to underline the character of a building.

THE PRINCIPLE OF SILIFICATION



The ingenious principle of silification: KEIM mineral paints don't form a layer on the surface: they create a permanent bond with the substrate.

CONVINCING ADVANTAGES

- durable: maximum weather resistance
- aesthetic: perfect look
- vapour permeable: balanced moisture content
- safe: non-flammable
- purely mineral: natural raw materials
- clean: low soiling tendency
- economical: long renovation intervals
- ecological: healthy to live in and sustainable

GENUINE CRAFTSMANSHIP

The beauty of KEIM paints comes from within and is directed outward. We craftsmen in paint attach great importance to cultivating and advancing the development of our fascinating range of KEIM mineral paints in full awareness of our rich traditions. Today, our mineral paints and glazes are still made by hand on the basis of powder pigments as KEIM pallet shades and customised special mixed shades.

We monitor your projects individually for each specific order through to completion. Our consultants provide on-site support, for example by checking substrates or with colour consulting and sampling directly at the building. Just ask us, it will be our pleasure!

ADVANTAGES AND BENEFITS OF KEIM SILICATE TECHNOLOGY



Town hall Schwyz, original painting from 1891



DURABLE

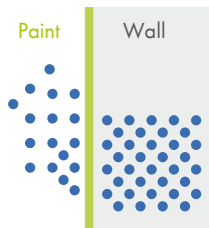
A facade coating should last at least 20 years – in terms of both appearance and functionality. That's no great challenge for KEIM paints, as they can easily last twice as long. It is even no rarity for them to survive for a century. The ideal combination of liquid potassium silicate as binding agent, mineral fillers from natural deposits and inorganic colour pigments guarantees maximum weather resistance and unsurpassed durability.





VAPOUR PERMEABLE

In terms of building physics, high water vapour permeability is the key criterion for a balanced moisture content. Silicate paints by KEIM are hugely vapour permeable. Any moisture in the building substance can dissipate swiftly and unhindered to the outside, avoiding tricky moisture congestion behind impervious coatings and preventing damage in the long term. In combination with low water absorption, this offers optimum protection from water and frost damage. Nor do mineral surfaces chalk, and their alkalinity and swift drying properties also make them unappealing for algae and fungi. In brief: KEIM mineral paints are ideal when it comes to building physics!



Moisture in the brickwork can diffuse unhindered to the outside. The brickwork stays dry, the paint holds.



ASTHETIC

The shades in the KEIM colour range are timeless, ideal for combination solutions and blend harmoniously in the surroundings, without having a historicising effect. Inorganic pigments penetrate the substrate: the substance of the building absorbs the shade with a brilliant result that is absolutely UV-resistant, creating multifaceted, lively colour effects that address all the senses.





COLOUR-STABLE

Colours change when exposed to UV light and other external influences: wood goes dark or grey, and facades fade. The latter can be avoided: silicate paints by KEIM contain only lightfast, inorganic pigments and mineral binding agents such as potassium silicate or sol-silicate. The potassium silicate binder is not only based on natural raw materials, it is also extremely weather-resistant. In contrast to emulsion paints, the inorganic pigments are not enclosed in a film but are exposed directly to the rays of light. The colour shades shine directly out of the velvety matt surface, revealing an amazing, durable depth and brilliance. And so KEIM facades remain unchanged for decades.



Nr. 1429

Nr. 40

Nr. 103

Nr. 177

Nr. 89

Nr. 67

Nr. 70

Nr. 52

Nr. 185

Nr. 32

95

Nr. 64

Nr. 94

Nr. 42

Nr. 195

Nr. 138



CLEAN

Silicate paints by KEIM stay clean in the long term. The combination of inorganic pigments and mineral binding agents results in coating solutions that pair durability with long-term cleanness. Compared to paints with conventional organic binding agents (e.g. emulsion or silicone resin paints), silicate coatings are antistatic and non-thermoplastic. This makes it hard for dirt particles to adhere to the surface, for facades that stay clean and beautiful for a long time!



PURELY MINERAL

What counts are the "inner values" of a paint, in other words, the composition of binding agent, pigments, fillers and additives. KEIM paints have a completely mineral basis. The potassium silicate binder is a silicate based on natural raw materials that forms a chemical bond with mineral substrates such as stone, render and concrete. The result is an extremely durable bond which is far more resistant than the purely superficial adhesion of usual emulsion paints. Mineral pigments are obtained from minerals, they are extremely colour-stable and don't fade. As a rule, fillers consist of rock flour to give the paint the layer thickness that is necessary to protect the facade from weathering.



SAFE

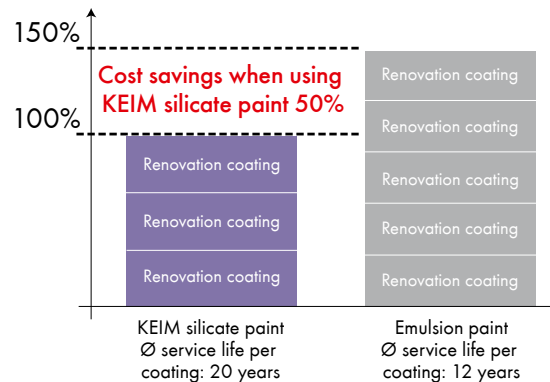
Not even the flame of a welding torch makes KEIM silicate paints ignite. In the case of a fire, this means maximum safety and no toxic fumes, as confirmed by fire tests in Germany and the United Kingdom. Just one reason why only silicate paints are used in many public areas such as underground stations and tunnels, schools or cinemas: nothing can replace health and safety.

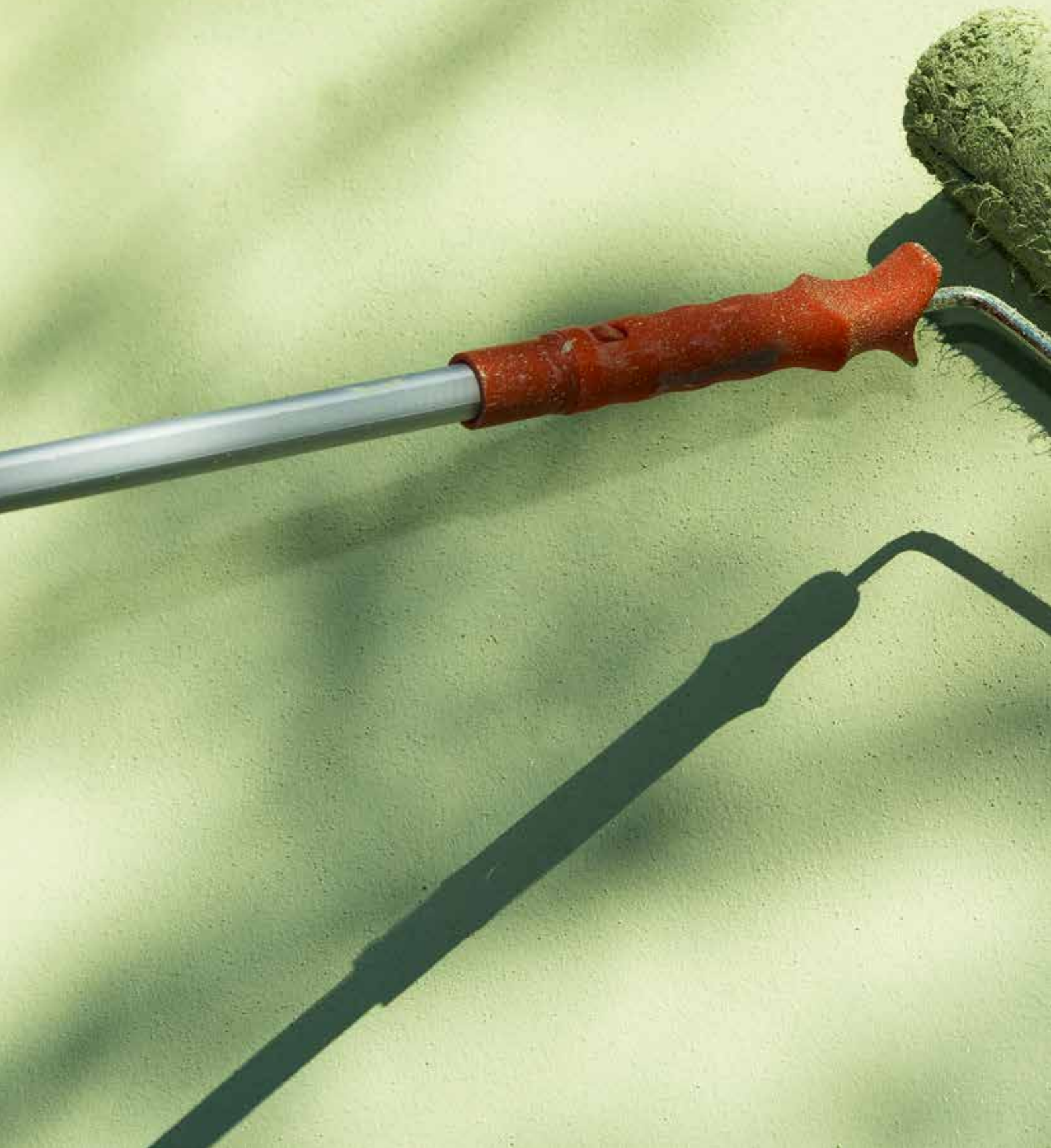


ECONOMICAL

Cheap things can often end up costing lots of money ... Particularly in the building sector, the bottom line often shows quality to be the better, less expensive solution. Mineral paints by KEIM offer longterm savings because they generate only minimum maintenance costs with both functionality and appearance being preserved for a long time.

MAINTENANCE COSTS FOR FACADE COATING FOR A 60-YEAR RENDER SERVICE LIFE







ECOLOGICAL AND FOR HEALTHY LIVING

Sustainable building and renovating makes a crucial contribution to healthier living, quality of life and a better future. Mineral paints by KEIM present an outstanding ecological profile from raw material extraction via production, application and the entire life-cycle of the coating through to disposal. They are also without added solvents, plasticisers and preservation agents. Tested and guaranteed!



Mitglied der
DGNB

Deutsche Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council



KEIM takes responsibility for society and for the environment. The certificate Cradle to Cradle Certified® confirms our commitment and the use of environmentally friendly, healthy and recyclable materials, a climate-friendly and responsible production process and the use of regenerative energies.



PAINTS
FOR
PEOPLE
AND
ARCHITECTURE



WE ARE PARTNERS

Our aim is to provide not just first-class, proven products but also outstanding support and services to give our partners assurance and genuine advantages on the building site.

Painters and decorators: KEIM provides you with expert, comprehensive support already during the early planning phase. When technical problems occur on site or if explanations are needed for certain processes, our KEIM application engineers offer swift, uncomplicated assistance.

Historical monuments: KEIM is your expert, reliable partner when it comes to protecting historical monuments, as verified by nearly 140 years of experience in protecting valuable cultural buildings.

Architects: Our consultants take time for your individual projects and work together with you to find the technically and aesthetically ideal solutions – with professional know-how and a comprehensive range of products. The list of reference projects is full of examples that speak for themselves, including Zaha Hadid Architects, Rem Koolhaas or Foster and Partners.

Housing industry: KEIM offers comprehensive, reliable support – with sustainable, durable products and expert advice for outstanding results with added value.

Private customers: By choosing the ideal material and correct method of application, together we will achieve the best possible result for your house! KEIM recommends qualified painters and decorators for the design and protection of your facade and for healthy living.



“Quality, responsibility and service are not just words we use but part and parcel of our practised corporate philosophy.”





KEIM SERVICE AND SUPPORT – TOGETHER WE'RE SUCCESSFUL!

There is often a lot of preliminary work involved before projects can be brought to a successful conclusion. In this case we assist you not only with our mineral products but also with our comprehensive range of services.

CHECKING SUBSTRATES

- Render analysis
- Strength measurements
- Searching for concealed flaws, e.g. structurally damaging salts

COLOUR CONSULTING

- Colour analysis
- Colour shade selection
- Colour samples
- Colour design

LABORATORY ANALYSES, EXPERT REPORTS AND PLANS OF ACTION

- For restoration work according to the specific substrate
- Elaboration of your tender documents
- Supervision when applying the coating on site
- Cooperation with external independent institutes, experts and specialists

CONSULTING FOR ETICS AND IIS*

- Individual statements of work
- Calculations regarding construction physics
- Wind load calculation
- ETICS stability testing
- Fire bar planning
- Construction management specialists
- Training for application technicians

SPECIAL DIAGNOSIS OF CONCRETE BUILDINGS

- Testing the concrete strength
- Determining the concrete cover
- Measuring the carbonation depth
- Complete restoration proposals

MARKETING SUPPORT

- Detailed product information
- Individual application-related documents
- Online and offline marketing tools

FURTHER TRAINING WITH KEIM ACADEMY

- Technical seminars, workshops, information events
- Expert professional specialists
- Lecture rooms with state-of-the-art media
- Practical training
- Online Lectures

**ETICS = external thermal insulation composite system; IIS = internal insulation system.*

For more information and your local KEIM partners, please go to www.keim.com

PAINTS
WITH
SYSTEM





EXTERIOR PAINTS

KEIM exterior paints fulfil the very strictest standards.

- Unrivalled durability
- Highest vapour permeability
- Ideal moisture balance
- Clean facades in the long-term
- Colour-constant, lightfast and UV-resistant
- Mineral-matt surface
- Many varied design possibilities
- Economical
- Ecologically sound

PURE SILICATE PAINTS

One- and two-component pure silicate paints that last for decades

SILICATE EMULSION PAINTS

For all mineral substrates

SOL-SILICATE PAINTS

For organic, mineral and mixed substrates

INTERIOR PAINTS

KEIM interior paints with first-class attributes making them biologically sound.

- High diffusion rating
- Practically free of harmful substances
- Without added solvents, preservation agents and plasticisers
- Suitable for people suffering from allergies
- Without active fogging substances
- Non-flammable
- Mould repellent
- Independent expert reports

DISPERSION PAINTS

Wet abrasion class 1
Wet abrasion class 2

SOL-SILICATE PAINTS

Wet abrasion class 1
Wet abrasion class 2
Wet abrasion class 3

LES COULEURS LE CORBUSIER

Le Corbusier's colour collection, implemented in top quality colour recipes

MOULD PROTECTION

For preventing mould

CONCRETE SYSTEMS

KEIM concrete systems provide effective protection and preserve the concrete look.

- Adapted surface protection systems (water and CO₂ protection)
- Proven renovation materials
- Economical and durable
- Unique design possibilities
- Environmentally friendly
- Mineral-matt surface look
- With all necessary approvals

CONCRETE COATINGS AND GLAZES

Mineral solutions with concrete look for renovation, protection and design

MORTARS & FILLERS

Mortars and fillers for renovation

IMPREGNATION SYSTEMS

For hydrophobic treatment of mineral construction materials, particularly concrete



WOOD SYSTEMS

Successful transfer of the proven silicate-paint model to wood. Confirmed by being granted the European patent for system and products

- Outstanding moisture protection
- UV-resistant and absolutely lightfast
- Extremely weatherproof
- Unmatched durability
- Velvety matt surface look
- Easy to renovate
- Tested as per DIN EN 927
- Third-party monitoring by the Fraunhofer WKI

EXTERIOR WOOD PAINT

Opaque silicate coating for exterior wood components

GREYING GLAZE FOR WOOD

Silicate greying glaze for exterior wood components

INTERIOR WOOD GLAZE

Wood coating for semi-transparent to opaque designs for interior elements

ETIC SYSTEMS

KEIM ETIC systems save energy, protect the existing building fabric, create a cosy, healthy living climate and enhance the value of the property.

- Systems with mineral wool, polystyrene and mineral insulation panels
- Perimeter and plinth insulation panels
- Mineral renders and coatings with extremely long service lives for clean, colour-stable facades
- Optimized moisture balance for non-toxic algae prevention
- Approvals from the building authorities for maximum safety
- Pioneering research and development projects

FACADE INSULATION

Insulation systems with coordinated renders and coatings; clean, durable and effective

INTERIOR INSULATION

Mould protection, functional interior insulation and indoor climate system for comfortable living.

SURFACE DESIGN

Top quality precious-looking renders and coatings for implementing creative design ideas

ACCESSORIES, PROFILES & SYSTEM SUPPLEMENTS

RENDERS & FILLERS

Precious looking structures and surfaces with mineral renders and fillers for every conceivable use.

- Environmentally friendly
- Economical
- Vapour permeable
- Weatherproof

TOP RENDERS

Silicate and mineral renders for interiors and exteriors

BASE RENDERS

For light-brick and heavy wall designs

ADHESIVE AND RENOVATION RENDERS

For mineral or organic mixed substrates, flaking surfaces, differences in structure and cracks

RENOVATION & MOISTURE REGULATION

For moisture regulation and for brickwork damaged by salt.

FILLERS

For mechanical or manual application



LIME SYSTEMS

Lime is experiencing a renaissance in the modern building context and for authentic monument renovation.

- Environmentally friendly
- Economical
- High diffusion rating
- Durable
- Non-flammable
- Ecologically sound

LIME PAINTS

Paints with a lime binding agent for the design of an interior living space or facade

RENDERS & FILLERS

Healthy-living lime renders give walls a natural elegance. Suitable for both exterior and interior use.

NATURAL STONE SYSTEMS

KEIM natural stone systems act as stone substitutes, stone consolidation, hydrophobic impregnation or protective coating.

- Specific system components for adapted renovation
- Effective protection from acids and moisture
- Wide range of applications
- Many varied design possibilities

NATURAL STONE-GLAZE

For glazed colouring or matching repaired spots

RESTORE-MORTAR

As natural stone substitute, joint renewal and pouring material for moulds

CREATIVE DESIGN

KEIM artist and decor paints, glazes, silicate chalks and products for working creatively with stucco filler techniques.

- Absolutely lightfast and UV-resistant
- Brilliant colours
- Vapour permeable
- Weatherproof

ARTIST PAINTS

Expressive paint colours

DECOR PAINTS

Individual designs and mineral radiance thanks to fine paint-powder

GLAZES

Decorative glazes and refined finishing of conventional top coats



REGIONAL ACTION WITH A GLOBAL APPROACH.

KEIM's mineral paints prove their worth in every climate zone in the world. But they are produced and developed in Germany, at company headquarters in Diedorf and at the production plant in Luckau.

There are good reasons for this: Germany is where the company has its roots, where tradition blends with innovation. Germany is also where we find those qualified, motivated skilled workers whose know-how makes a vital contribution to turning a medium-sized company such as KEIM into the world market leader for silicate paints. This concentration of expertise has a valuable synergetic effect that generates more quality. Another advantage: the short delivery chains for raw materials improve the company's carbon footprint while enhancing the sustainability of our products.

“KEIM's success story begins with the production. It assures quality, efficiency and genuine sustainability.”



RESEARCH AND DEVELOPMENT

We work constantly at improving the products and at furthering the development of silicate building protection. All relevant developments and innovations in this segment come from the KEIM development laboratories. It is quite natural for our development engineers to cooperate closely with renowned specialist institutes and research laboratories in the field of paint technology – and also for them to regularly take part in numerous German and international research projects. This is how we constantly assure and expand our unique know-how lead.



KEIM INTERNATIONAL

Production location in Germany, subsidiaries in Europe and the USA, sales partners worldwide:
KEIM is on site everywhere to offer the best possible service.

KEIM GERMANY

KEIMFARBEN GMBH

Keimstraße 16/86420 Diedorf
Tel. +49 821 4802-0/Fax +49 821 4802-210



Frederik-Ipsen-Straße 6/15926 Luckau
Tel. +49 35456 676-0/Fax +49 35456 676-38

E-Mail: info@keimfarben.de

KEIM SUBSIDIARIES

KEIMFARBEN GES.M.B.H.

Gewerbestraße 7a/5310 Mondsee
Tel. +43 6232 32 211/Fax +43 6232 32 211-99
E-Mail: office@keimfarben.at



KEIMFARBEN AG

Wiesgasse 1/9444 Diepoldsau
Tel. +41 71 737 70 10/Fax +41 71 737 70 19
E-Mail: info@keim.ch



KEIMFARBEN S.R.O.

Videnská 119/619 00 Brno
Tel. +420 511 181 222/Fax +420 511 181 229
E-Mail: barvy@keim.cz



KEIM SCANDINAVIA A/S

Guldalderen 6/2640 Hedehusene
Tel. +45 46 56 46 44/Fax +45 46 56 42 04
E-Mail: kundeservice@keim.dk



KEIM ECOPAINT IBÉRICA, S.L.

Octavio Lacante, 55/08100 Mollet del Vallès (Barcelona)
Tel. +34 932 192 319/Fax +34 932 191 455
E-Mail: info@keim.es



KEIM FRANCE SAS

ZAC Les Portes du Dauphiné/55 Chemin de Mûre/69780 Saint-Pierre de Chandieu
 Tel. +33 4 72 090 509/Fax +33 4 78 401 621
 E-Mail: info@keim.fr

**KEIMFARBEN COLORI MINERALI S.R.L.**

Sciaves, Förche 10/39040 Naz-Sciaves (BZ)
 Tel. +39 0472 410 158
 E-Mail: info@keim.it

**KEIM NEDERLAND BV /NL**

Dukdalfweg 26/1332 BM Almere
 Tel. +31 36 53 20 620/Fax +31 36 53 20 030
 E-Mail: info@keim.nl

**KEIM FARBY MINERALNE SP. Z O.O.**

ul. Fabryczna 20 c/53-609 Wrocław
 Tel. +48 71 750 00 51
 E-Mail: info.keim@keim.pl

**KEIM MINERAL PAINTS LTD.**

Santok Building/Deer Park Way, Donnington Wood/Telford, Shropshire TF2 7NA
 Tel. +44 1952 231 250/Fax +44 1952 231 251
 E-Mail: sales@keimpaints.co.uk

**KEIM MINERAL COATINGS OF AMERICA, INC.**

3935 Perimeter West Drive, Suite 100/Charlotte, North Carolina 28214
 Toll Free: +1 866 906 5346/Tel. +1 704 588 4811/Fax +1 704 588 4991
 E-Mail: info@keim.com

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KEIMFARBEN GMBH

Keimstraße 16 / 86420 Diedorf / Tel. +49 821 4802-0 / Fax +49 821 4802-210
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 35456 676-0 / Fax +49 35456 676-38
www.keim.com / info@keimfarben.de

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